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PASSWORD:

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SESSION RESUMED IN FILE 'REGISTRY' AT 10:35:31 ON 23 JAN 2008  
FILE 'REGISTRY' ENTERED AT 10:35:31 ON 23 JAN 2008  
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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 182.50           | 182.71        |

=> file registry

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 182.50           | 182.71        |

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STRUCTURE FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2  
DICTIONARY FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

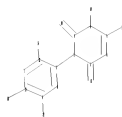
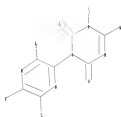
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10536485\10536485a.str



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ring nodes :
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exact/norm bonds :
1-2 1-6 1-13 2-3 2-7 3-4 3-14 4-5 4-19 5-6 5-21 9-22 12-16
exact bonds :
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normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12

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G1:O,S

G2:H,X

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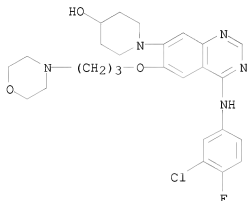
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=> s l1 full
FULL SEARCH INITIATED 10:36:29 FILE 'REGISTRY'
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100.0% PROCESSED 10828 ITERATIONS 16 ANSWERS
SEARCH TIME: 00.00.01

L6 16 SEA SSS FUL L1

=> d scan

L6 16 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Piperidinol, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-[3-(4-
MF morpholinyl)propoxy]-7-quinazolinyl]-
C26 H31 Cl F N5 O3
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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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=> file caplus
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                               ENTRY      SESSION
FULL ESTIMATED COST          178.82      361.53
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FILE 'CAPLUS' ENTERED AT 10:36:46 ON 23 JAN 2008  
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FILE COVERS 1907 - 23 Jan 2008 VOL 148 ISS 4  
 FILE LAST UPDATED: 22 Jan 2008 (20080122/ED)



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=> s l6

L7 2 L6

=> d l7 1-2 ibib abs hitstr

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1024809 CAPLUS

DOCUMENT NUMBER: 143:477933

TITLE: Facile synthesis of 7-amino anilinoquinazolines via direct amination of the quinazoline core

AUTHOR(S): Harris, Craig S.; Kettle, Jason G.; Williams, Emma J.

CORPORATE SOURCE: Centre de Recherches, AstraZeneca, Reims, 51689, Fr.

SOURCE: Tetrahedron Letters (2005), 46(43), 7381-7384

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 143:477933

AB The facile preparation of 4-(3-chloro-4-fluoroanilino)-6-alkoxy-7-aminoquinazolines from their corresponding 7-triflate and 7-fluoro precursors are highlighted.

IT 869475-53-6P 869475-54-7P 869475-55-8P

869475-56-9P 869475-60-5P 869475-61-6P

869475-62-7P 869475-63-8P 869475-64-9P

869475-65-0P 869475-66-1P 869475-70-7P

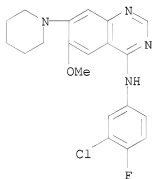
869475-71-8P 869475-72-9P 869475-79-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of anilinoquinazolinamines via direct amination of quinazoline core)

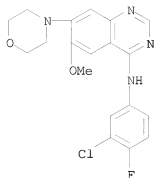
RN 869475-53-6 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-6-methoxy-7-(1-piperidinyl)-  
(CA INDEX NAME)

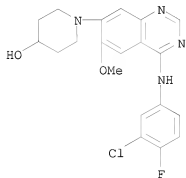


RN 869475-54-7 CAPLUS

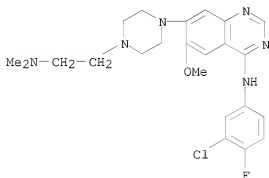
CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-6-methoxy-7-(4-morpholinyl)-  
(CA INDEX NAME)



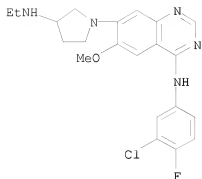
RN 869475-55-8 CAPLUS  
 CN 4-Piperidinol, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]- (CA INDEX NAME)



RN 869475-56-9 CAPLUS  
 CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-[4-[2-(dimethylamino)ethyl]-1-piperazinyl]-6-methoxy- (CA INDEX NAME)

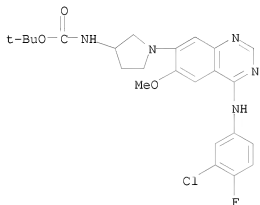


RN 869475-60-5 CAPLUS  
 CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-[3-(ethylamino)-1-pyrrolidinyl]-6-methoxy- (CA INDEX NAME)



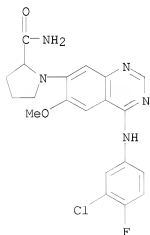
RN 869475-61-6 CAPLUS

CN Carbamic acid, [1-[4-[(3-chloro-4-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



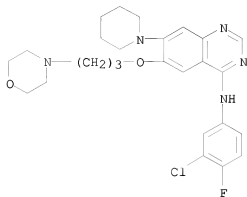
RN 869475-62-7 CAPLUS

CN 2-Pyrrolidinecarboxamide, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]- (CA INDEX NAME)



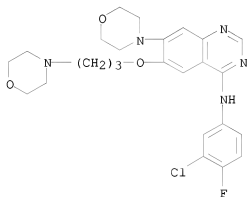
RN 869475-63-8 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-6-[3-(4-morpholinyl)propoxy]-7-(1-piperidinyl)- (CA INDEX NAME)



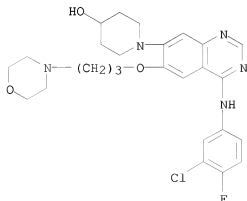
RN 869475-64-9 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-(4-morpholinyl)-6-[3-(4-morpholinyl)propoxy]- (CA INDEX NAME)



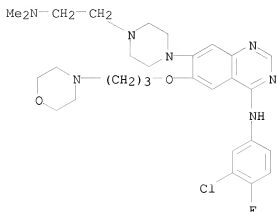
RN 869475-65-0 CAPLUS

CN 4-Piperidinol, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-[3-(4-morpholinyl)propoxy]-7-quinazolinyl]- (CA INDEX NAME)



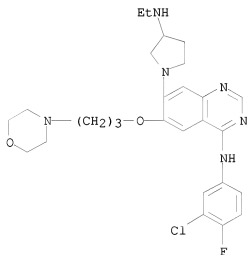
RN 869475-66-1 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-[4-[2-(dimethylamino)ethyl]-1-piperazinyl]-6-[3-(4-morpholinyl)propoxy]- (CA INDEX NAME)



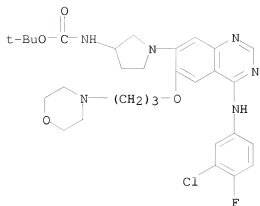
RN 869475-70-7 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-[3-(ethylamino)-1-pyrrolidinyl]-6-[3-(4-morpholinyl)propoxy]- (CA INDEX NAME)



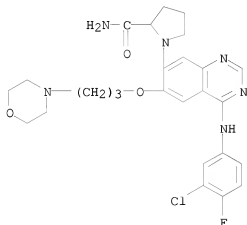
RN 869475-71-8 CAPLUS

CN Carbamic acid, [1-[4-[(3-chloro-4-fluorophenyl)amino]-6-[3-(4-morpholinyl)propoxy]-7-quinazolinyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



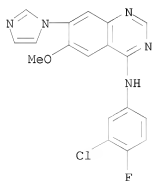
RN 869475-72-9 CAPLUS

CN 2-Pyrrolidinecarboxamide, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-[3-(4-morpholinyl)propoxy]-7-quinazoliny]- (CA INDEX NAME)



RN 869475-79-6 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-(1H-imidazol-1-yl)-6-methoxy- (CA INDEX NAME)



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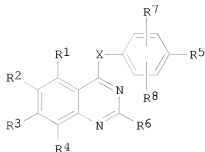
14

THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

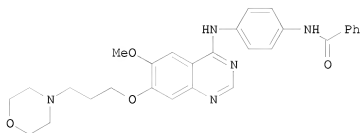
L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on SIN  
 ACCESSION NUMBER: 2001:228866 CAPLUS  
 DOCUMENT NUMBER: 134:266317  
 TITLE: Preparation of quinazolines as aurora 2 kinase inhibitors  
 INVENTOR(S): Mortlock, Andrew Austen; Keen, Nicholas John; Jung, Frederic Henri; Brewster, Andrew George  
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited  
 SOURCE: PCT Int. Appl., 306 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE       |
|---|------|----------|-----------------|------------|
| WO 2001021596   | A1   | 20010329 | WO 2000-GB3580  | 20000918   |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW |      |          |                 |            |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |            |
| CA 2384291  | A1   | 20010329 | CA 2000-2384291 | 20000918   |
| BR 2000014116   | A    | 20020521 | BR 2000-14116   | 20000918   |
| EP 1218354  | A1   | 20020703 | EP 2000-960840  | 20000918   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL   |      |          |                 |            |
| JP 2003509499   | T    | 20030311 | JP 2001-524975  | 20000918   |
| EE 200200119  | A    | 20030415 | EE 2002-119     | 20000918   |
| HU 2003000059   | A2   | 20030728 | HU 2003-59      | 20000918   |
| HU 2003000059   | A3   | 20030828 |                 |            |
| BG 106492   | A    | 20030131 | BG 2002-106492  | 20020307   |
| IN 2002MN00293  | A    | 20050318 | IN 2002-MN293   | 20020308   |
| ZA 2002002234   | A    | 20030619 | ZA 2002-2234    | 20020319   |
| NO 2002001399   | A    | 20020430 | NO 2002-1399    | 20020320   |
| PRIORITY APPLN. INFO.:  |      |          | GB 1999-22154   | A 19990921 |
|   |      |          | GB 1999-22170   | A 19990921 |
|   |      |          | WO 2000-GB3580  | W 20000918 |
|   |      |          | WO 2000-GB9100  | A 20000918 |

OTHER SOURCE(S): MARPAT 134:266317  
 GI



I



II

AB Title compds. (I) [wherein X = O, S, SO, SO<sub>2</sub>, NH, or NR<sub>12</sub>; R<sub>12</sub> = H or alkyl; R<sub>1</sub>-R<sub>4</sub> = independently halo, CN, NO<sub>2</sub>, alkylsulfanyl, N(OH)R<sub>13</sub>, or R<sub>15</sub>X<sub>1</sub>; R<sub>13</sub> = H or alkyl; X<sub>1</sub> = a direct bond, O, CH<sub>2</sub>, OC(O), CO, CO<sub>2</sub>, S, SO, SO<sub>2</sub>, or (un)substituted NHCO, CONH, SO<sub>2</sub>NH, NHSO<sub>2</sub>, or NH; R<sub>15</sub> = H or (un)substituted hydrocarbyl, heterocyclyl, or alkoxy; R<sub>5</sub> = NHCOR<sub>9</sub>, NHCOR<sub>9</sub>, NHSO<sub>2</sub>R<sub>9</sub>, COR<sub>9</sub>, CO<sub>2</sub>R<sub>9</sub>, SOR<sub>9</sub>, SO<sub>2</sub>OR<sub>9</sub>, CONR<sub>10</sub>R<sub>11</sub>, SONR<sub>10</sub>R<sub>11</sub>, or SO<sub>2</sub>NR<sub>10</sub>R<sub>11</sub>; R<sub>9</sub>-R<sub>11</sub> = independently H or (un)substituted hydrocarbyl or heterocyclyl; or R<sub>10</sub> and R<sub>11</sub> together with the N to which they are attached = (un)substituted heterocyclyl; R<sub>6</sub> = H or (un)substituted hydrocarbyl or heterocyclyl; R<sub>7</sub> and R<sub>8</sub> = independently H, halo, alkyl, (di)alkoxy(methyl), alkanoyl, CF<sub>3</sub>, CN, NHY<sub>2</sub>, alkenyl, alkynyl, or (un)substituted Ph, PhCH<sub>2</sub>, or heterocyclyl; or a salt, ester, or amide thereof] were prepared as aurora 2 kinase inhibitors for the treatment of proliferative diseases, such as cancer. For example, a 7-step sequence involving (1) alkylation of morpholine with 1-bromo-3-chloropropane (49%), (2) addition of Et vanillate to yield Et 3-methoxy-4-(3-morpholinopropoxy)benzoate (100%), (3) nitration (86%), (4) reduction to the amine using 10% Pd/C (100%), (5) cycloaddn. with formamide to form the quinazoline (68%), (6) chlorination to give 4-chloro-6-methoxy-7-(3-morpholinopropoxy)quinazoline (60%), and (7) amination with N-benzoyl-4-aminoaniline (58%) yielded II. The latter inhibited the serine/threonine kinase activity of aurora 2 kinase by 50% at a concentration

of 0.0193  $\mu$ M. In addition, II gave 50% inhibition of MCF-7 cell proliferation at 1.06  $\mu$ M and reduced BrdU incorporation into cellular DNA by 50% at 0.159-0.209  $\mu$ M.

IT 331776-68-2, (R)-4-((4-(N-Benzoyl)amino)anilino)-6-methoxy-7-(glycidyl)quinazoline

RL: RCT (Reactant); RACT (Reactant or reagent)

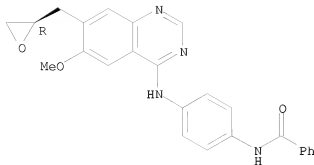
(reactant; preparation of 4-substituted quinazoline aurora 2 kinase inhibitors for treatment of cancer and other proliferative diseases)

RN 331776-68-2 CAPLUS

CN Benzamide, N-[4-[[6-methoxy-7-[(2R)-oxiranylmethyl]-4-quinazolinyl]aminophenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.





REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file registry  
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 20.98      | 382.51  |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| -1.60      | -1.60   |

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FILE 'REGISTRY' ENTERED AT 10:49:28 ON 23 JAN 2008  
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STRUCTURE FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2  
DICTIONARY FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

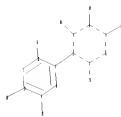
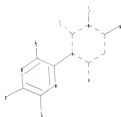
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdnoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10 series\10536485\10536485b.str



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13 14 16 18 19 21 22
ring nodes :
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exact/norm bonds :
1-2 1-6 1-13 2-3 2-7 3-4 3-14 4-5 4-19 5-6 5-21 9-22 12-16
exact bonds :
10-18
normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12

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G1:O,S

G2:H,X

G3:H,Ak

G4:O,S,Hy

Match level :

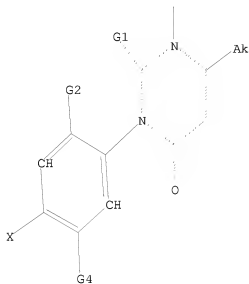
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:CLASS 14:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS  
22:CLASS

L8 STRUCTURE UPLOADED

=> d l8

L8 HAS NO ANSWERS

L8 STR



G1 O,S

G2 H,X

G3 H,Ak

G4 O,S,Hy

Structure attributes must be viewed using STN Express query preparation.

=> s l8

SAMPLE SEARCH INITIATED 10:49:51 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 12663 TO ITERATE

15.8% PROCESSED 2000 ITERATIONS

11 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

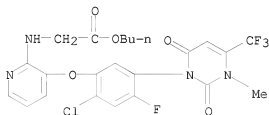
PROJECTED ITERATIONS: 246518 TO 260002

PROJECTED ANSWERS: 892 TO 1892

L9 11 SEA SSS SAM L8

=> d scan

L9 11 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, butyl ester  
MF C23 H21 Cl F4 N4 O5



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l8 full

FULL SEARCH INITIATED 10:50:04 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 258599 TO ITERATE

100.0% PROCESSED 258599 ITERATIONS 1391 ANSWERS  
SEARCH TIME: 00.00.06

L10 1391 SEA SSS FUL L8

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| ENTRY      | SESSION |

FULL ESTIMATED COST

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| 178.36 | 560.87 |
|--------|--------|

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |

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=> s l10

L11 91 L10

=> d l11 82-91 ibib abs hitstr

L11 ANSWER 82 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1993:124556 CAPLUS

DOCUMENT NUMBER: 118:124556

TITLE: Preparation of uracil derivatives as herbicides

INVENTOR(S): Satow, Jun; Fukuda, Kenzou; Itoh, Kaoru; Kita, Hiroshi; Kawamura, Yasuo; Suzuki, Koichi; Nawamaki, Tsutomu; Watanabe, Shigeomi; Endo, Toshiharu; Ishikawa, Kimihiro

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan

SOURCE: PCT Int. Appl., 205 pp.

CODEN: PIXXD2

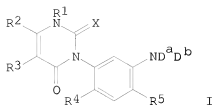
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

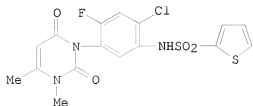
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.   | KIND              | DATE     | APPLICATION NO. | DATE       |
|--|-------------------|----------|-----------------|------------|
| -----  | ----              | -----    | -----           | -----      |
| WO 9211244   | A1                | 19920709 | WO 1991-JP1716  | 19911216   |
| W: AU, BB, BG, BR, CA, CS, FI, HU, KR, LK, MG, MN, MW, NO, PL, RO, SD, SU, US                                  |                   |          |                 |            |
| RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG |                   |          |                 |            |
| JP 05186436  | A                 | 19930727 | JP 1991-330716  | 19911213   |
| JP 3089621   | B2                | 20000918 |                 |            |
| AU 9190706   | A                 | 19920722 | AU 1991-90706   | 19911216   |
| EP 563384  | A1                | 19931006 | EP 1992-900598  | 19911216   |
| EP 563384  | B1                | 20011004 |                 |            |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE  |                   |          |                 |            |
| AT 206405  | T                 | 20011015 | AT 1992-900598  | 19911216   |
| CA 2097928   | C                 | 20020402 | CA 1991-2097928 | 19911216   |
| US 5356863   | A                 | 19941018 | US 1993-75529   | 19931021   |
| PRIORITY APPLN. INFO.:   |                   |          | JP 1990-402753  | A 19901217 |
|  |                   |          | JP 1991-121420  | A 19910527 |
|  |                   |          | JP 1991-300341  | A 19911115 |
|  |                   |          | WO 1991-JP1716  | A 19911216 |
| OTHER SOURCE(S):   | MARPAT 118:124556 |          |                 |            |
| GI   |                   |          |                 |            |



I



II

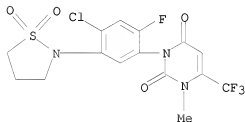
AB The title compds. (I; R1 = H, C1-3 (halo)alkyl; R2 = C1-6 haloalkyl; R3 = H, C1-6 (halo)alkyl, halo, HOCH2, O2N; R4 = H, halo; R5 = H, halo, cyano, NO2, cyano; X = O, S; Da, Db = H, C1-8 alkyl, C1-6 (halo)alkyl, C3-8 alkyl, C2-8 cycloalkyl; provided that both Da, Db ≠ H) are prepared. Thus, 0.19 g 2-thiophenesulfonyl chloride was added to a solution of 0.31 g 3-(5-amino-4-chloro-2-fluorophenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione in pyridine at <5° and the mixture was stirred at room temperature overnight to give 0.3 g title compound II. This at 0.4 g/are preemergence controlled ≥90% 5 weeds, e.g. Rolipa indica and Digitaria sanguinalis, and 70-90% Echinochloa crus-galli inflicting ≤5% injury to wheat and corn. A total of 98 I were prepared

IT 145740-40-5P 145740-64-3P 145740-65-4P  
145740-66-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

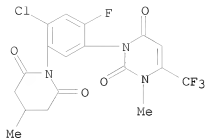
RN 145740-40-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(1,1-dioxido-2-isothiazolidinyl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

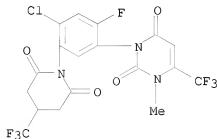


RN 145740-64-3 CAPLUS

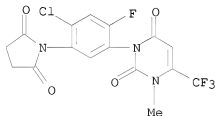
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-methyl-2,6-dioxo-1-piperidinyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 145740-65-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2,6-dioxo-4-(trifluoromethyl)-1-piperidinyl]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 145740-66-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2,5-dioxo-1-pyrrolidinyl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

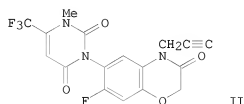
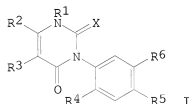


L11 ANSWER 83 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1992:469875 CAPLUS  
 DOCUMENT NUMBER: 117:69875  
 TITLE: Preparation of uracil derivatives as herbicides  
 INVENTOR(S): Satow, Jun; Fukuda, Kenzou; Itoh, Kaoru; Suzuki, Koichi; Nawamaki, Tsutomu; Watanabe, Shigeomi  
 PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan  
 SOURCE: U.S., 60 pp. Cont.-in-part of U.S. Ser. No. 549,140, abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE        |
|---|------|----------|-----------------|-------------|
| US 5084084  | A    | 19920128 | US 1991-639216  | 19910109    |
| JP 03204865   | A    | 19910906 | JP 1990-168683  | 19900627    |
| EP 489480   | A1   | 19920610 | EP 1991-300034  | 19910102    |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE |      |          |                 |             |
| AU 9168589  | A    | 19920618 | AU 1991-68589   | 19910103    |
| AU 643479   | B2   | 19931118 |                 |             |
| CA 2033929  | A1   | 19920606 | CA 1991-2033929 | 19910110    |
| CA 2033929  | C    | 20010220 |                 |             |
| HU 56554  | A2   | 19910930 | HU 1991-73      | 19910111    |
| HU 214084   | B    | 19971229 |                 |             |
| BR 9100196  | A    | 19911022 | BR 1991-196     | 19910111    |
| CN 1061966  | A    | 19920617 | CN 1991-100182  | 19910111    |
| CN 1028476  | B    | 19950524 |                 |             |
| RU 2010524  | C1   | 19940415 | RU 1991-4894319 | 19910111    |
| RO 109075   | B1   | 19941130 | RO 1991-146716  | 19910111    |
| KR 163592   | B1   | 19981201 | KR 1991-302     | 19910111    |
| US 5154755  | A    | 19921013 | US 1991-702376  | 19910520    |
| JP 05017453   | A    | 19930126 | JP 1991-314391  | 19911128    |
| JP 3055268  | B2   | 20000626 |                 |             |
| RU 2040523  | C1   | 19950725 | RU 1992-5010683 | 19920130    |
| LV 11176  | B    | 19960820 | LV 1993-739     | 19930629    |
| PRIORITY APPLN. INFO.:                                    |      |          |                 |             |
|   |      |          | JP 1989-181824  | A 19890714  |
|   |      |          | JP 1989-187065  | A 19890719  |
|   |      |          | JP 1989-274662  | A 19891020  |
|   |      |          | JP 1990-168683  | A 19900627  |
|   |      |          | US 1990-549140  | B2 19900706 |
|   |      |          | JP 1990-400475  | A 19901205  |
|   |      |          | US 1991-639216  | A2 19910109 |
|   |      |          | JP 1991-6331    | A1 19910123 |
|   |      |          | JP 1991-64714   | A1 19910328 |

OTHER SOURCE(S): MARPAT 117:69875

GI



AB Title compds. I (R1 = H, C1-3 alkyl, HOCH<sub>2</sub>, C1-3 haloalkyl; R2 = C1-6 haloalkyl; R3 = H, C1-6 (halo)alkyl, H, O<sub>2</sub>N; R4 = H, halo; R5 = halo, O<sub>2</sub>N, cyano; R6 = HS, C1-5 alkyl, C3-6 cycloalkyl, C2-4 alkenyl, C3-4 alkynyl, NCCH<sub>2</sub>, HOCH<sub>2</sub>, ClCH<sub>2</sub>, PhCH<sub>2</sub>, heterocyclyl, etc.; R5R6 together with the benzene ring completes a substituted heterocyclyl; X = O,S), are prepared 3-(7-Fluoro-3-oxo-4-propargyl)-2H-1,4-benzoxazin-6-yl)-6-(trifluoromethyl)-2,4(1H,3H)-pyrimidinedione was added at room temperature to DMF containing NaH followed by addition of Me<sub>2</sub>SO<sub>4</sub> to give the title compound II. In a test on herbicidal effect in irrigated field, II at 10 g/ha controlled >90% of barnyard grass, crabgrass, annual sedge, black nightshade, hairy galinsoga and fieldcress.

IT 134562-53-1P 134562-54-2P 134562-55-3P

134562-56-4P

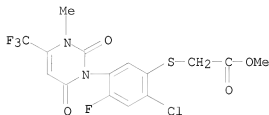
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)



(preparation of, as herbicide)

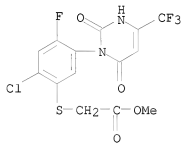
RN 134562-53-1 CAPLUS

CN Acetic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



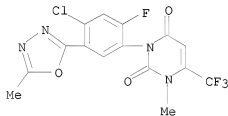
RN 134562-54-2 CAPLUS

CN Acetic acid, [[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



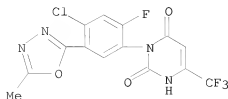
RN 134562-55-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 134562-56-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



L11 ANSWER 84 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1992:426586 CAPLUS

DOCUMENT NUMBER: 117:26586

TITLE: Preparation of uracil derivatives as herbicides

INVENTOR(S): Enomoto, Masayuki; Takemura, Susumu; Uekawa, Toru;

Sakaki, Masaharu; Sato, Ryo; Nagano, Eiki

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 26 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

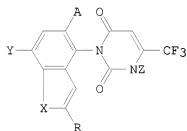
PATENT INFORMATION:

| PATENT NO.                        | KIND | DATE     | APPLICATION NO. | DATE     |
|-----------------------------------|------|----------|-----------------|----------|
| EP 476697                         | A1   | 19920325 | EP 1991-116056  | 19910920 |
| EP 476697                         | B1   | 19960320 |                 |          |
| R: BE, CH, DE, FR, GB, IT, LI, NL |      |          |                 |          |
| CA 2051942                        | A1   | 19920322 | CA 1991-2051942 | 19910920 |
| BR 9104045                        | A    | 19920609 | BR 1991-4045    | 19910920 |
| US 5169431                        | A    | 19921208 | US 1991-763259  | 19910920 |
| JP 05025165                       | A    | 19930202 | JP 1991-241449  | 19910920 |
| JP 2985415                        | B2   | 19991129 |                 |          |

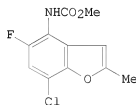
PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 117:26586

GI



I



II

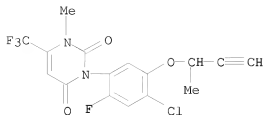
AB Uracil derivs. [I; R = alkyl; A = H, F, Cl; X = O, S; Y = H, F, Cl, Br; Z = Me, NH2] are prepared A solution of 2.0 g carbamate ester II in DMF was added to a solution of 2.1 g CF3C(NH2):CHCO2Et and 0.5 g NaH in DMF with stirring under cooling, followed by reflux, MeI was added, and the mixture was kept overnight to give 1.1 g I (A = F, R = Z = Me, X = O, Y = Cl), which killed barnyard grass and broad-leaved weeds completely at 0.04 g/are without any harm to the rice plant.

IT 141976-58-1

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, in preparation of herbicide)

RN 141976-58-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 85 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1992:59224 CAPLUS

DOCUMENT NUMBER: 116:59224

TITLE: Preparation of N-phenylglutarimides as herbicides

INVENTOR(S): Satow, Jun; Fukuda, Kenzou; Itoh, Kaoru; Kita, Hiroshi; Kawamura, Yasuo; Suzuki, Koichi; Nawamaki, Tsutomu; Watanabe, Shigeomi; Endo, Toshiharu

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 156 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

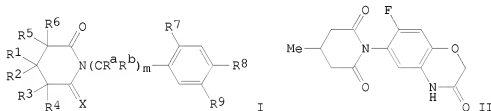
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE       |
|---|------|----------|-----------------|------------|
| EP 454444   | A1   | 19911030 | EP 1991-303698  | 19910424   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE |      |          |                 |            |
| JP 04356463   | A    | 19921210 | JP 1991-116868  | 19910419   |
| PRIORITY APPLN. INFO.:                                    |      |          | JP 1990-108236  | A 19900424 |
|   |      |          | JP 1991-89986   | A 19910327 |

OTHER SOURCE(S): MARPAT 116:59224

GI

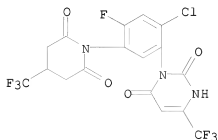


AB Title compds. [I; Ra,Rb = H, alkyl; R1-R6 = H, halo, cyano, (cyclo)alkyl, etc.; R7 = H, halo; R8 = N, halo, alkyl, cyano, NO2; R9 = H, halo, alkyl, alkoxy, alkoxy carbonyl, acylamino, heterocyclyl, etc.; R8R9 = atoms to complete a heterocyclyl ring; X = O, S; m = 0-3] were prepared Thus, 3-methylglutaric anhydride was condensed with 7-fluoro-6-amino-2H-1,4-benzoxazin-3(4H)-one and the product cyclized to give title compound II which gave >90% control of 6 weeds, e.g. Echinochloa crusgalli, with <5% damage to 5 crop plants at 1.6 g/a preemergent.

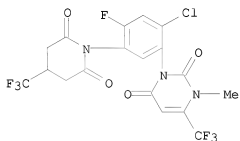
IT 138500-53-5P 138500-54-6P 138500-55-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

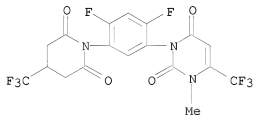
RN 138500-53-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2-chloro-5-[2,6-dioxo-4-(trifluoromethyl)-1-piperidinyl]-4-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 138500-54-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2-chloro-5-[2,6-dioxo-4-(trifluoromethyl)-1-piperidinyl]-4-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



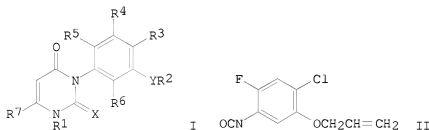
RN 138500-55-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-[2,6-dioxo-4-(trifluoromethyl)-1-piperidinyl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



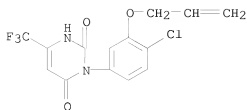
L11 ANSWER 86 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1991:559169 CAPLUS  
 DOCUMENT NUMBER: 115:159169  
 TITLE: Preparation of pesticidal 3-arylracil ethers and thioethers  
 INVENTOR(S): Brouwer, Walter G.; Felauer, Ethel E.; McDonald, Paul T.; McGuinness, James A.; Mishra, Anupama  
 PATENT ASSIGNEE(S): Uniroyal Chemical Ltd., Can.; Uniroyal Chemical Co., Inc.  
 SOURCE: PCT Int. Appl., 30 pp.

DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE       |
|--|------|----------|-----------------|------------|
| WO 9107393   | A1   | 19910530 | WO 1990-US5990  | 19901018   |
| W: AU, BR, CA, DE, HU, JP, KR                          |      |          |                 |            |
| RW: AT, BE, CH, FI, DK, ES, FR, GB, GR, IT, LU, NL, SE |      |          |                 |            |
| US 5134144   | A    | 19920728 | US 1989-439732  | 19891120   |
| AU 9066043   | A    | 19910613 | AU 1990-66043   | 19901018   |
| BR 9007847   | A    | 19920922 | BR 1990-7847    | 19901018   |
| JP 05502858  | T    | 19930520 | JP 1990-514599  | 19901018   |
| JP 06099406  | B    | 19941207 |                 |            |
| IL 96114   | A    | 19950831 | IL 1990-96114   | 19901025   |
| ZA 9008776   | A    | 19910828 | ZA 1990-8776    | 19901101   |
| PRIORITY APPLN. INFO.:                                 |      |          | US 1989-439732  | A 19891120 |
|  |      |          | WO 1990-US5990  | A 19901018 |



|    |   |
|----|---|
| AB | The title compound I; R1 = H, alkali or alkaline earth metal, etc.; R2 = C2-C6 hydrocarbyl, CR8R9CO2R10 wherein R8,R9 = H, linear or branched C1-4 alkyl, R10 = H, C1-6 hydrocarbyl; R3 = H, halo, NO2, C2-6 hydrocarbyl, etc.; R4, R5, R6 = H, halo, C1-4 alkyl, alkoxy; R7 = C1-6 halo hydrocarbyl; X, Y = O, S] are prepared H2NC(CF3):CHCO2Et was added to a suspension of 60% NaH in THF with stirring at 15° and then cooled to -70°, the mixture was treated with isocyanate I in THF at -70° and then room temperature to give I (R1 = R4 = R5 = R6 = H, R2 = allyl, R3 = Cl, R7 = CF3, X = Y = O), which controlled 100% rice planthoppers at 1000 ppm. Also prepared and tested were 6 addnl I. |
| IT | 136187-55-8P<br>RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as pesticide)   |
| RN | 136187-55-8 CAPLUS  |
| CN | 2,4-(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-propenyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)  |



L11 ANSWER 87 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:429366 CAPLUS

DOCUMENT NUMBER: 115:29366

TITLE: Uracil derivatives and herbicides containing the same as active ingredient

INVENTOR(S): Satow, Jun; Fukuda, Kenzou; Itoh, Kaoru; Suzuki, Koichi; Nawamaki, Tsutomu; Watanabe, Shigeomi

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 161 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

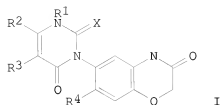
FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

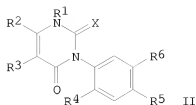
| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE       |
|---|------|----------|-----------------|------------|
| EP 408382   | A2   | 19910116 | EP 1990-307680  | 19900713   |
| EP 408382   | A3   | 19910710 |                 |            |
| EP 408382   | B1   | 19960918 |                 |            |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE |      |          |                 |            |
| JP 03204865   | A    | 19910906 | JP 1990-168683  | 19900627   |
| AU 9058849  | A    | 19910117 | AU 1990-58849   | 19900710   |
| AU 627906   | B2   | 19920903 |                 |            |
| CA 2021005  | A1   | 19910115 | CA 1990-2021005 | 19900712   |
| CA 2021005  | C    | 20000125 |                 |            |
| AT 143017   | T    | 19961015 | AT 1990-307680  | 19900713   |
| ES 2091799  | T3   | 19961116 | ES 1990-307680  | 19900713   |
| KR 163591   | B1   | 19981201 | KR 1990-10635   | 19900713   |
| US 5127935  | A    | 19920707 | US 1991-682370  | 19910409   |
| PRIORITY APPLN. INFO.:                                    |      |          |                 |            |
|   |      |          | JP 1989-181824  | A 19890714 |
|   |      |          | JP 1989-187065  | A 19890719 |
|   |      |          | JP 1989-274662  | A 19891020 |
|   |      |          | JP 1990-168683  | A 19900627 |

OTHER SOURCE(S): MARPAT 115:29366

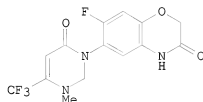
GI



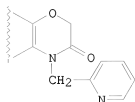
I



II



III



IV

AB Uracil derivs., e.g., I, II [R1 = H, C1-3 alkyl, HOCH2, C1-3 haloalkyl; R2 = C1-6 haloalkyl; R3 = H, C1-6 alkyl, C1-6 haloalkyl, HOCH2, NO2; R4 = H, halo; R5 = halo, NO2, CN; R6 = SB1 (B1 = H, C1-5 alkyl, C3-6 cycloalkyl, C2-4 alkenyl, C3-4 alkynyl, CH2CN, HOCH2, ClCH2, PhCH2, 5- and 6-membered heterocyclic, carboxyalkyl, substituted carboxymethyl, O-alkyloxime, azine), useful as herbicides were prepared Thus, substitution of benzofuranyluracil derivative III by 2-(chloromethyl)pyridine hydrochloride in DMF containing NaH 4 h at room temperature gave uracil derivative IV which was effective

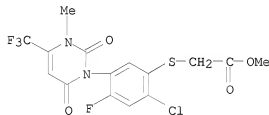
against *Echinochloa crusgalli* at 5 g/ha.

IT 134562-53-1P 134562-55-3P 134562-57-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation and herbicidal activity of)

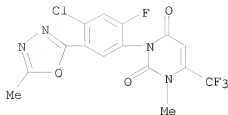
RN 134562-53-1 CAPLUS

CN Acetic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



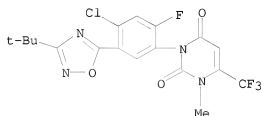
RN 134562-55-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 134562-57-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[3-(1,1-dimethylethyl)-1,2,4-oxadiazol-5-yl]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

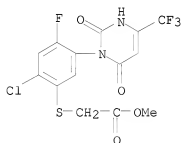


IT 134562-54-2P 134562-56-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

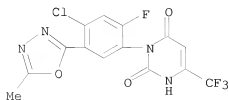
RN 134562-54-2 CAPLUS

CN Acetic acid, [[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



RN 134562-56-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)





ACCESSION NUMBER: 1991:223297 CAPLUS

DOCUMENT NUMBER: 114:223297

TITLE: Embryo lethality of new herbicides is not detected by the micromass teratogen tests

AUTHOR(S): Tsuchiya, Toshie; Buerger, Heinrich; Tsuchiya, Masahiko; Winternitz, Paul; Kistler, Andreas

CORPORATE SOURCE: Fac. Vet. Med., Univ. Berne, Bern, CH-3000, Switz.

SOURCE: Archives of Toxicology (1991), 65(2), 145-9

CODEN: ARTODN; ISSN: 0340-5761

DOCUMENT TYPE: Journal

LANGUAGE: English

AB New herbicidal compds. (11 pyrimidinediones, 3 benzoates and 1 sulfonamide) were embryo lethal but not teratogenic in rats. The range of the embryo lethal dose varied from 0.2 to >200 mg/kg. This broad range offered the opportunity to validate whether proposed in vitro teratogen tests can detect the embryo lethality of these herbicides. The IC50 values (inhibition concentration 50%) for both differentiation and proliferation of midbrain and limb bud cells of rat embryos were determined and found to be above 50 µg/mL in all cases, confirming that the herbicides were not teratogenic. No correlation, however, was observed between the embryo lethality in vivo and the activities in these cells. In order to test whether the potential to cause embryo lethality could be predicted and detected as a general cytotoxic effect, the inhibition of colony forming ability in V79 cells was determined. The results indicated that cytotoxicity in V79 cells may be useful for preliminary testing of the embryo lethal effect of herbicides.

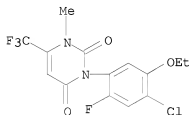
IT 114168-56-8, Ro 40-4164 114168-72-8, Ro 40-8130

114169-03-8, Ro 40-2687 133762-96-6, Ro 41-8568

RL: BIOL (Biological study)  
(embryotoxicity and teratogenesis from)

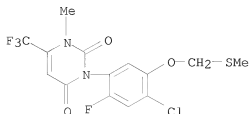
RN 114168-56-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

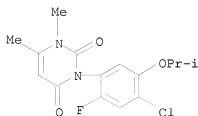


RN 114168-72-8 CAPLUS

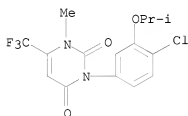
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylthio)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-03-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,6-dimethyl- (CA INDEX NAME)

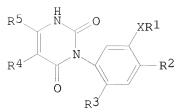


RN 133762-96-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-methylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

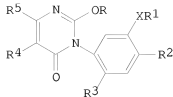


L11 ANSWER 89 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1988:631048 CAPLUS  
 DOCUMENT NUMBER: 109:231048  
 TITLE: Preparation of herbicidal 3-aryluracil enol ethers  
 INVENTOR(S): Wenger, Jean; Winternitz, Paul  
 PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co. A.-G., Switz.  
 SOURCE: Eur. Pat. Appl., 41 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

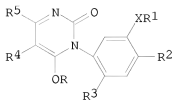
| PATENT NO.                        | KIND              | DATE     | APPLICATION NO. | DATE       |
|-----------------------------------|-------------------|----------|-----------------|------------|
| EP 260621                         | A2                | 19880323 | EP 1987-113342  | 19870911   |
| EP 260621                         | A3                | 19890315 |                 |            |
| R: CH, DE, ES, FR, GB, IT, LI, NL |                   |          |                 |            |
| ZA 8706839                        | A                 | 19880427 | ZA 1987-6839    | 19870911   |
| US 4812164                        | A                 | 19890314 | US 1987-96432   | 19870915   |
| AU 8778490                        | A                 | 19880331 | AU 1987-78490   | 19870916   |
| HU 44904                          | A2                | 19880530 | HU 1987-4105    | 19870916   |
| CN 87106833                       | A                 | 19880427 | CN 1987-106833  | 19870917   |
| JP 63107967                       | A                 | 19880512 | JP 1987-231249  | 19870917   |
| BR 8704796                        | A                 | 19880517 | BR 1987-4796    | 19870917   |
| PRIORITY APPLN. INFO.:            |                   |          | CH 1986-3741    | A 19860918 |
|                                   |                   |          | CH 1987-2828    | A 19870724 |
| OTHER SOURCE(S):                  | MARPAT 109:231048 |          |                 |            |
| GI                                |                   |          |                 |            |



I

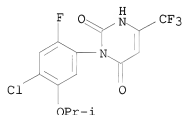


II

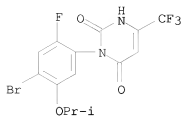


III

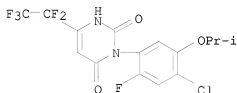
- AB The 3-arylurcil I, their enol ethers II and III [R = alkyl, alkenyl, alkynyl; R1 = R, alkoxyalkyl, (CH2)mON:CR6R7; R2 = H, CN; R3 = H, halo; R4 = H, F, alkyl; R5 = alkyl, haloalkyl; R4R5 = (CH2)3, (CH2)4; R6, R7 = alkyl; X = O, O2C, O2CO, CO2; m = 1,2] are prepared as herbicides (no data). Iso-Pr 2-chloro-5-[2-chloro-6-oxo-4-trifluoromethyl-1(6H)pyrimidinyl]-4-fluorobenzoate was added to NaH in iso-PrOH, at 0°, to give iso-Pr 2-chloro-5-[2-isopropoxy-6-oxo-4-trifluoromethyl-1(6H)pyrimidinyl]-4-fluorobenzoate. A formulation comprised I, II or III 50, N-methylpyrrolidone 200, ethoxylated nonylphenol 50, Ca dodecylbenzoate 25 g/L and alkybenzenes to 1000 mL.
- IT 114136-48-0 114168-90-0 114168-92-2  
114168-94-4  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(chlorination of)  
RN 114136-48-0 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



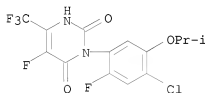
- RN 114168-90-0 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



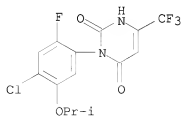
RN 114168-92-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



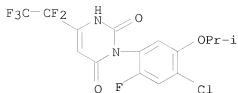
RN 114168-94-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(trifluoromethyl)- (CA INDEX NAME)



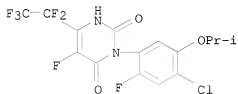
IT 114136-48-0 114168-92-2 114168-93-3  
 115810-56-5  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (methylation of)  
 RN 114136-48-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



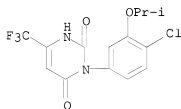
RN 114168-92-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



RN 114168-93-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

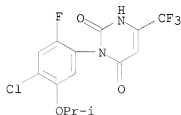


RN 115810-56-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

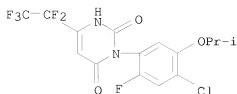


IT 114136-48-0P 114168-92-2P 114168-93-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as intermediate for pyrimidinone herbicides)

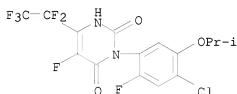
RN 114136-48-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114168-92-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



RN 114168-93-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(pentafluoromethyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 90 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1988:524320 CAPLUS

DOCUMENT NUMBER: 109:124320

TITLE: Cross tolerance to herbicidal and environmental oxidants of plant biotypes tolerant to paraquat, sulfur dioxide, and ozone

AUTHOR(S): Shaaltiel, Y.; Glazer, A.; Bocion, P. F.; Gressel, J.  
 CORPORATE SOURCE: Dep. Plant Genet., Weizmann Inst. Sci., Rehovot, 76100, Israel

SOURCE: Pesticide Biochemistry and Physiology (1988), 31(1), 13-23

CODEN: PCBPBS; ISSN: 0048-3575

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The hypothesis that biotypes of various species that evolved resistance to one oxidant stress might have cross tolerance to oxidant stresses from other sources was tested. A paraquat-resistant *Conyza bonariensis* biotype was tolerant to SO<sub>2</sub>, and to atrazine, acifluorfen, and two exptl. pyrimidinedione derivs., herbicides that generate or induce the generation of oxidants in the light. Its resistance was between 1.5 and 10 times greater than that of the sensitive biotype. Two strains of *Lolium perenne*, one paraquat tolerant and one SO<sub>2</sub> tolerant, were compared for their tolerances to paraquat. Both were at least 10 times more tolerant to paraquat than the sensitive strain. The paraquat- and SO<sub>2</sub>-tolerant *Lolium* strains both had 70% more superoxide dismutase and 20% more glutathione reductase than the sensitive strain. One of four ozone-tolerant *Nicotiana tabacum* cultivars was 16 times more tolerant to paraquat than the ozone-sensitive cultivar. The ozone-tolerant cultivar had 60% more of the three superoxide dismutase isoenzymes present than the sensitive biotype. These results suggest that tolerance in these cases is related to a general ability to more rapidly detoxify the generated oxygen species, as was previously shown with *C. bonariensis*.

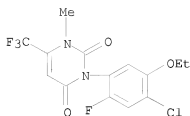
IT 114168-56-8 114168-64-8

RL: BIOL (Biological study)

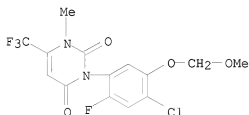
(paraquat-resistant *Conyza bonariensis* cross-tolerance to)

RN 114168-56-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



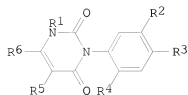
RN 114168-64-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(methoxymethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



L11 ANSWER 91 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1988:473464 CAPLUS  
 DOCUMENT NUMBER: 109:73464  
 TITLE: Preparation of 3-phenyluracils as herbicides  
 INVENTOR(S): Wenger, Jean; Winternitz, Paul  
 PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co. A.-G., Switz.  
 SOURCE: Eur. Pat. Appl., 66 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE       |
|---|------|----------|-----------------|------------|
| EP 255047   | A1   | 19880203 | EP 1987-110681  | 19870723   |
| R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE |      |          |                 |            |
| DK 8703668  | A    | 19880513 | DK 1987-3668    | 19870714   |
| US 4859229  | A    | 19890822 | US 1987-76415   | 19870721   |
| ZA 8705466  | A    | 19880330 | ZA 1987-5466    | 19870724   |
| HU 44902  | A2   | 19880530 | HU 1987-3450    | 19870728   |
| AU 8776371  | A    | 19880211 | AU 1987-76371   | 19870730   |
| AU 604250   | B2   | 19901213 |                 |            |
| JP 63041466   | A    | 19880222 | JP 1987-191487  | 19870730   |
| BR 8703926  | A    | 19880405 | BR 1987-3926    | 19870730   |
| CA 1286662  | C    | 19910723 | CA 1987-543370  | 19870730   |
| CN 87105777   | A    | 19880406 | CN 1987-105777  | 19870731   |
| PRIORITY APPLN. INFO.:                                |      |          | CH 1986-3090    | A 19860731 |
|   |      |          | CH 1987-2207    | A 19870612 |

OTHER SOURCE(S): MARPAT 109:73464  
 GI



I

AB The title compds. [I; R1 = H, C1-4 (halo)alkyl, CHO, C2-6 alkanoyl; R2 = H, NO2, NH2, N2X-, OH, etherified or esterified OH; R3 = halo, cyano; R4 = H, halo; R5 = H, C1-4 alkyl, halo; R6 = C1-4 (halo)alkyl; R5R6 = (CH2)3, (CH2)4; X = anion] and, where R1 = H, their salts were prepared as herbicides (no data). F3CC(NH2):CHCO2Et was N-acylated with 4-chloro-2-fluoro-5-isopropoxyphenyl isocyanate to give a urea intermediate which cyclized without isolation to give I (R1 = R5 = H, R2 = Me2CHO, R3 = F, R4 = Cl, R6 = CF3).

IT 114108-80-4P 114108-91-7P 114108-92-8P  
 114136-38-8P 114136-39-9P 114136-40-2P  
 114136-41-3P 114136-42-4P 114136-43-5P  
 114136-44-6P 114136-45-7P 114136-46-8P  
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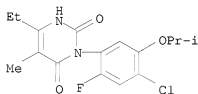


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 114190-22-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except  
 adverse); BSU (Biological study, unclassified); SPN (Synthetic  
 preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of, as herbicide)

RN 114108-80-4 CAPLUS

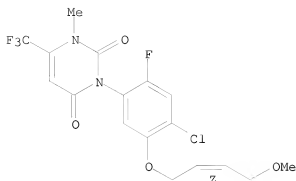
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-  
 6-ethyl-5-methyl- (CA INDEX NAME)



RN 114108-91-7 CAPLUS

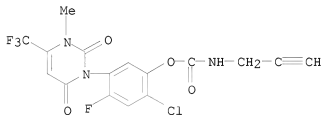
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-methoxy-2-  
 butenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)-, (Z)- (9CI) (CA INDEX  
 NAME)

Double bond geometry as shown.



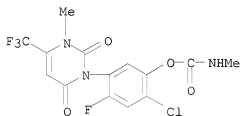
RN 114108-92-8 CAPLUS

CN Carbamic acid, 2-propynyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



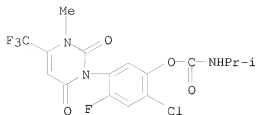
RN 114136-38-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylamino)carbonyloxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



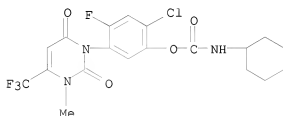
RN 114136-39-9 CAPLUS

CN Carbamic acid, (1-methylethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



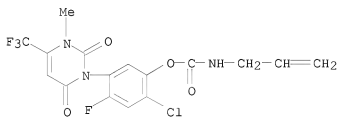
RN 114136-40-2 CAPLUS

CN Carbamic acid, cyclohexyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



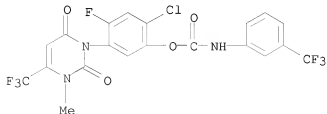
RN 114136-41-3 CAPLUS

CN Carbamic acid, 2-propenyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114136-42-4 CAPLUS

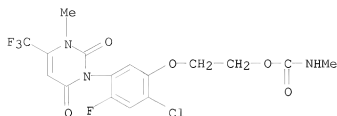
CN Carbamic acid, [3-(trifluoromethyl)phenyl]-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114136-43-5 CAPLUS

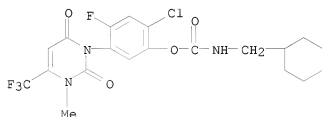
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[[ (methylamino)carbonyl]oxy]ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)-

(9CI) (CA INDEX NAME)



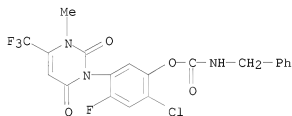
RN 114136-44-6 CAPLUS

CN Carbamic acid, (cyclohexylmethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI)  
(CA INDEX NAME)



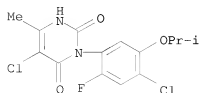
RN 114136-45-7 CAPLUS

CN Carbamic acid, (phenylmethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



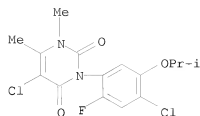
RN 114136-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 5-chloro-3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-methyl- (CA INDEX NAME)

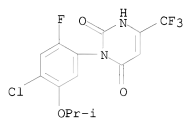


RN 114136-47-9 CAPLUS

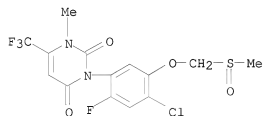
CN 2,4(1H,3H)-Pyrimidinedione, 5-chloro-3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,6-dimethyl- (CA INDEX NAME)



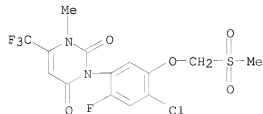
RN 114136-48-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114136-49-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylsulfinyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

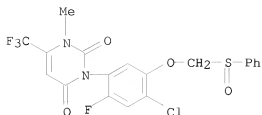


RN 114136-50-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylsulfonyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



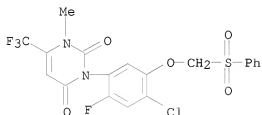
RN 114136-51-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(phenylsulfonyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

NAME)



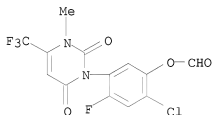
RN 114136-52-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(phenylsulfonyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



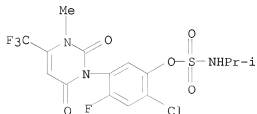
RN 114136-53-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(formyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 114136-54-8 CAPLUS

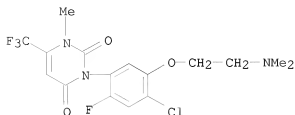
CN Sulfamic acid, (1-methylethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114136-55-9 CAPLUS

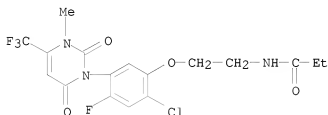
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-(dimethylamino)ethoxy]-2-

fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



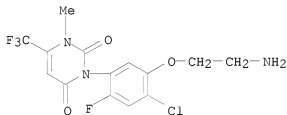
RN 114136-56-0 CAPLUS

CN Propanamide, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]- (CA INDEX NAME)



RN 114136-57-1 CAPLUS

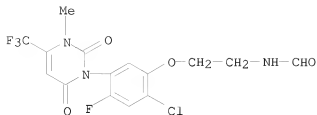
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminoethoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

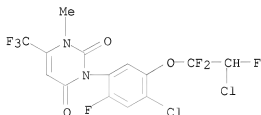
RN 114136-58-2 CAPLUS

CN Formamide, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]- (CA INDEX NAME)



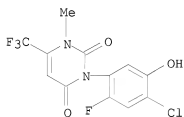
RN 114136-59-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-chloro-1,1,2-trifluoroethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



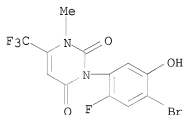
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114136-61-7 CAPLUS

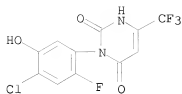
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114136-62-8 CAPLUS

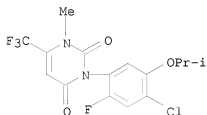
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)





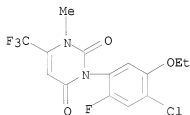
RN 114168-55-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



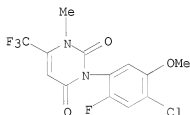
RN 114168-56-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



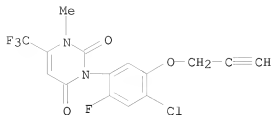
RN 114168-57-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

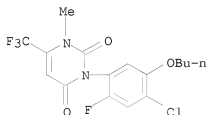


RN 114168-58-0 CAPLUS

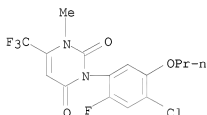
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



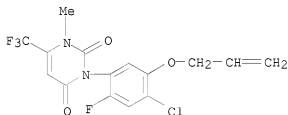
RN 114168-59-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(5-butoxy-4-chloro-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



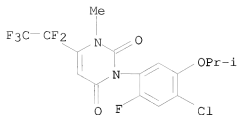
RN 114168-60-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-propoxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114168-61-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

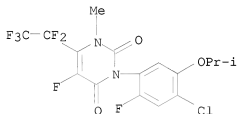


RN 114168-62-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-methyl-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



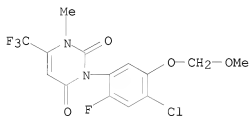
RN 114168-63-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-1-methyl-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



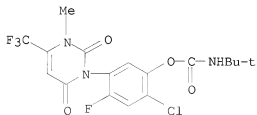
RN 114168-64-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(methoxymethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



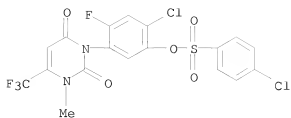
RN 114168-65-9 CAPLUS

CN Carbamic acid, (1,1-dimethylethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



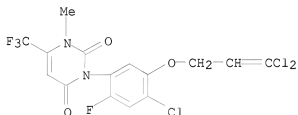
RN 114168-66-0 CAPLUS

CN Benzenesulfonic acid, 4-chloro-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



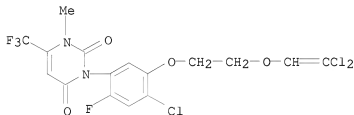
RN 114168-67-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(3,3-dichloro-2-propenyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



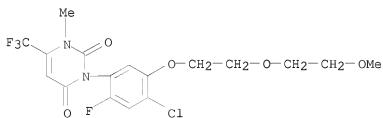
RN 114168-68-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[(2,2-dichloroethenyl)oxy]ethoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



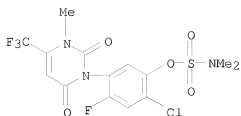
RN 114168-69-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(2-methoxyethoxy)ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

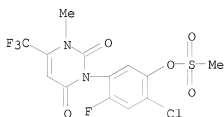


RN 114168-70-6 CAPLUS

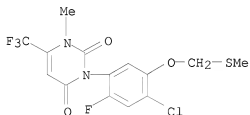
CN Sulfamic acid, dimethyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



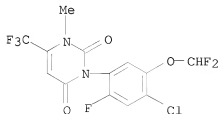
RN 114168-71-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylsulfonyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



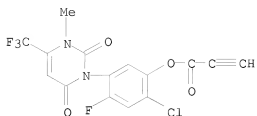
RN 114168-72-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(methylthio)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



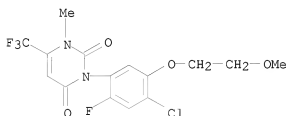
RN 114168-73-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(difluoromethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



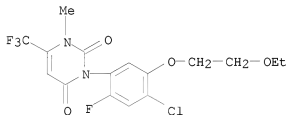
RN 114168-74-0 CAPLUS  
 CN 2-Propynoic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



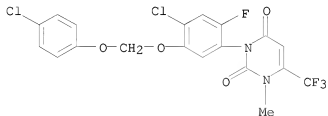
RN 114168-75-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methoxyethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



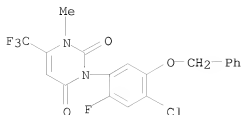
RN 114168-76-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-ethoxyethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114168-77-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chlorophenoxy)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

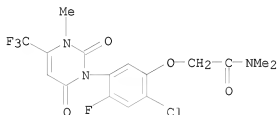


RN 114168-78-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



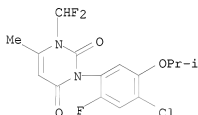
RN 114168-79-5 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N,N-dimethyl- (CA INDEX NAME)



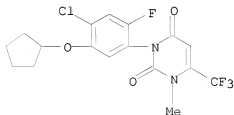
RN 114168-80-8 CAPLUS

CN 2,4-(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-(difluoromethyl)-6-methyl- (CA INDEX NAME)



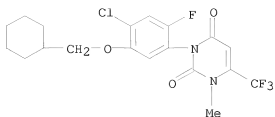
RN 114168-81-9 CAPLUS

CN 2,4-(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(cyclopentyloxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

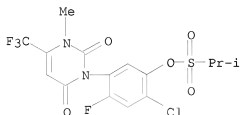


RN 114168-82-0 CAPLUS

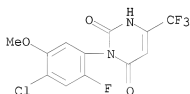
CN 2,4-(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(cyclohexylmethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



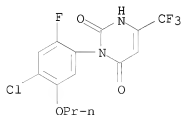
RN 114168-83-1 CAPLUS  
 CN 2-Propanesulfonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



RN 114168-84-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)

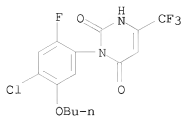


RN 114168-85-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-propoxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)

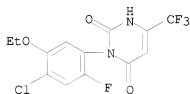


RN 114168-86-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(5-butoxy-4-chloro-2-fluorophenyl)-6-(trifluoromethyl)- (CA INDEX NAME)

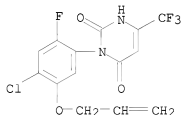




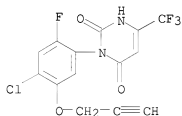
RN 114168-87-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-5-ethoxy-2-fluorophenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



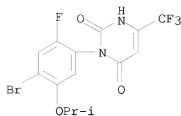
RN 114168-88-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 114168-89-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

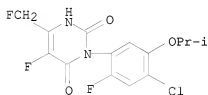


RN 114168-90-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



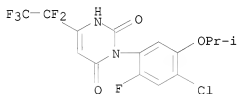
RN 114168-91-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(fluoromethyl)- (CA INDEX NAME)



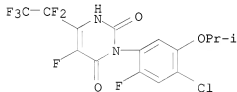
RN 114168-92-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



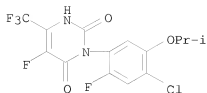
RN 114168-93-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

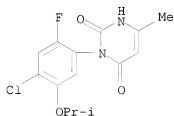


RN 114168-94-4 CAPLUS

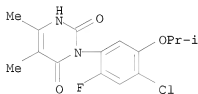
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(trifluoromethyl)- (CA INDEX NAME)



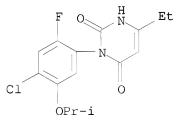
RN 114168-96-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-  
 6-methyl- (CA INDEX NAME)



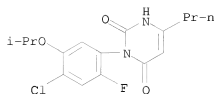
RN 114168-97-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-  
 5,6-dimethyl- (CA INDEX NAME)



RN 114168-98-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-  
 6-ethyl- (CA INDEX NAME)

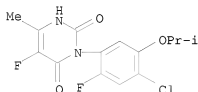


RN 114168-99-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-  
 6-propyl- (CA INDEX NAME)



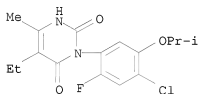
RN 114169-01-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-methyl- (CA INDEX NAME)



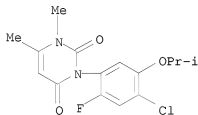
RN 114169-02-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-ethyl-6-methyl- (CA INDEX NAME)



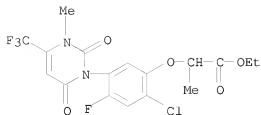
RN 114169-03-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,6-dimethyl- (CA INDEX NAME)

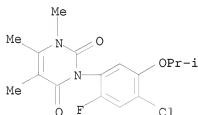


RN 114169-04-9 CAPLUS

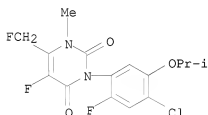
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



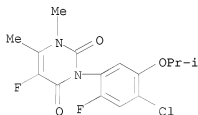
RN 114169-06-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,5,6-trimethyl- (CA INDEX NAME)



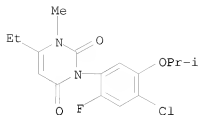
RN 114169-07-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(fluoromethyl)-1-methyl- (CA INDEX NAME)



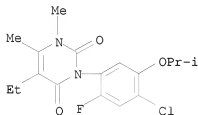
RN 114169-08-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-1,6-dimethyl- (CA INDEX NAME)



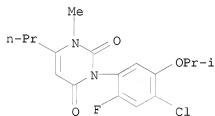
RN 114169-09-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-ethyl-1-methyl- (CA INDEX NAME)



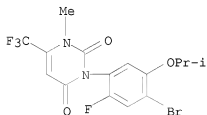
RN 114169-10-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-ethyl-1,6-dimethyl- (CA INDEX NAME)



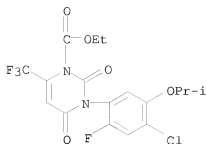
RN 114169-11-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-methyl-6-propyl- (CA INDEX NAME)



RN 114169-12-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

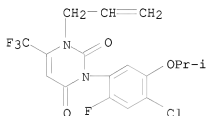


RN 114169-13-0 CAPLUS  
 CN 1(2H)-Pyrimidinecarboxylic acid, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-3,4-dihydro-2,4-dioxo-6-(trifluoromethyl)-, ethyl ester (CA INDEX NAME)



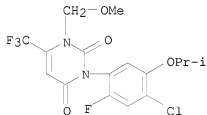
RN 114169-14-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-(2-propenyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



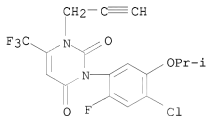
RN 114169-15-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-(methoxymethyl)-6-(trifluoromethyl)- (CA INDEX NAME)



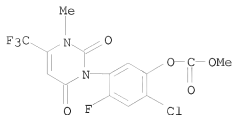
RN 114169-16-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-(2-propynyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

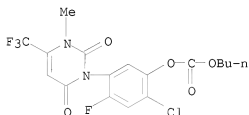


RN 114169-18-5 CAPLUS

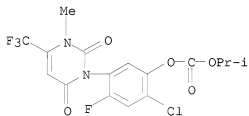
CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl methyl ester (CA INDEX NAME)



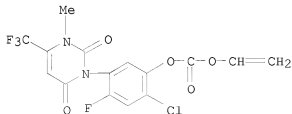
RN 114169-19-6 CAPLUS  
 CN Carbonic acid, butyl 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114169-20-9 CAPLUS  
 CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 1-methylethyl ester (CA INDEX NAME)



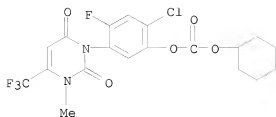
RN 114169-21-0 CAPLUS  
 CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ethenyl ester (CA INDEX NAME)



RN 114169-22-1 CAPLUS  
 CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl cyclohexyl ester (CA INDEX NAME)

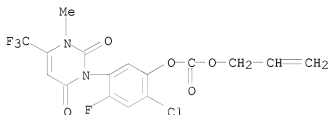


INDEX NAME)



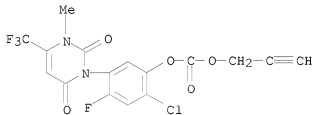
RN 114169-23-2 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-propenyl ester (9CI)  
(CA INDEX NAME)



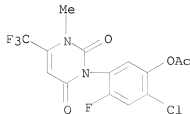
RN 114169-24-3 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-propynyl ester (9CI)  
(CA INDEX NAME)



RN 114169-25-4 CAPLUS

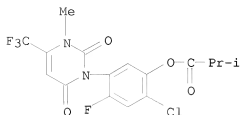
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(acetyloxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 114169-26-5 CAPLUS

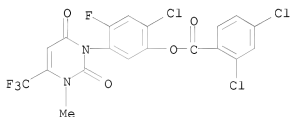
CN Propanoic acid, 2-methyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



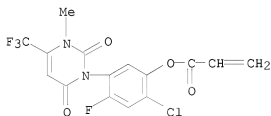
RN 114169-27-6 CAPLUS

CN Benzoic acid, 2,4-dichloro-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



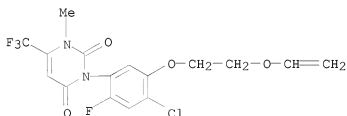
RN 114169-28-7 CAPLUS

CN 2-Propenoic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



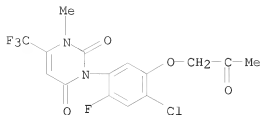
RN 114169-29-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-(ethenyloxy)ethoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



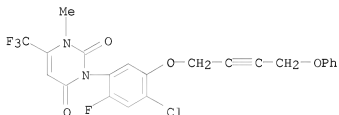
RN 114169-30-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-oxopropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



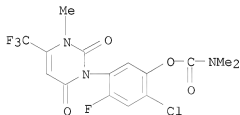
RN 114169-31-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-phenoxy-2-butyryloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 114169-32-3 CAPLUS

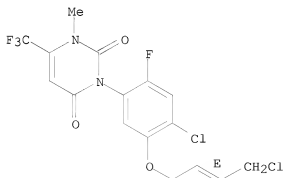
CN Carbamic acid, dimethyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114169-34-5 CAPLUS

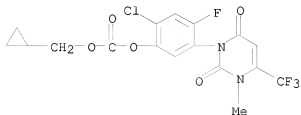
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-butenyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



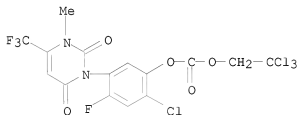
RN 114169-35-6 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl cyclopropylmethyl ester (CA INDEX NAME)



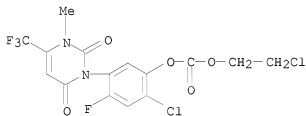
RN 114169-36-7 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2,2,2-trichloroethyl ester (CA INDEX NAME)



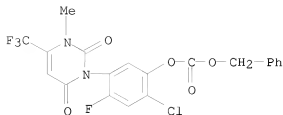
RN 114169-37-8 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-chloroethyl ester (9CI) (CA INDEX NAME)



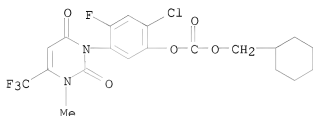
RN 114169-38-9 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl phenylmethyl ester (CA INDEX NAME)



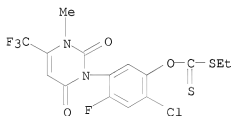
RN 114169-39-0 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl cyclohexylmethyl ester (CA INDEX NAME)



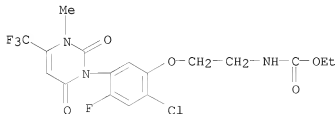
RN 114169-40-3 CAPLUS

CN Carbonodithioic acid, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] S-ethyl ester (CA INDEX NAME)



RN 114169-41-4 CAPLUS

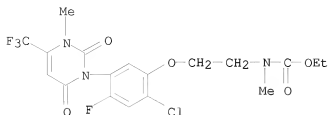
CN Carbamic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 114169-42-5 CAPLUS

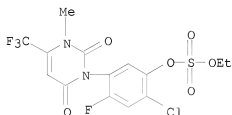
CN Carbamic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]methyl-, ethyl

ester (9CI) (CA INDEX NAME)



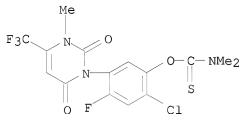
RN 114169-43-6 CAPLUS

CN Sulfuric acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ethyl ester (CA INDEX NAME)



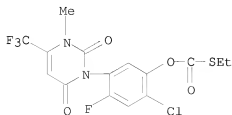
RN 114169-44-7 CAPLUS

CN Carbamothioic acid, dimethyl-, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] ester (9CI) (CA INDEX NAME)



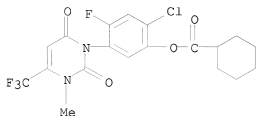
RN 114169-45-8 CAPLUS

CN Carbonothioic acid, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] S-ethyl ester (CA INDEX NAME)



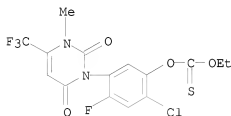
RN 114169-46-9 CAPLUS

CN Cyclohexanecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



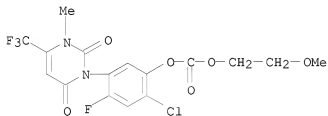
RN 114169-47-0 CAPLUS

CN Carbonothioic acid, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] O-ethyl ester (CA INDEX NAME)



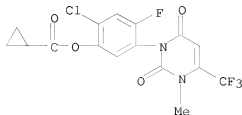
RN 114169-48-1 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-methoxyethyl ester (CA INDEX NAME)



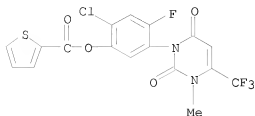
RN 114169-49-2 CAPLUS

CN Cyclopropanecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



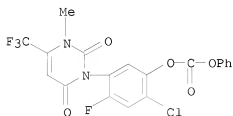
RN 114169-50-5 CAPLUS

CN 2-Thiophenecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



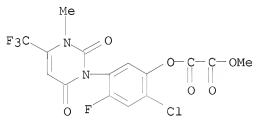
RN 114169-51-6 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl phenyl ester (CA INDEX NAME)



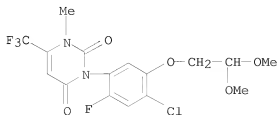
RN 114169-52-7 CAPLUS

CN Ethanedioic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl methyl ester (9CI) (CA INDEX NAME)



RN 114169-53-8 CAPLUS

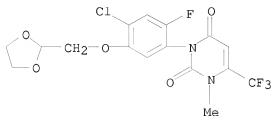
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2,2-dimethoxyethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-54-9 CAPLUS

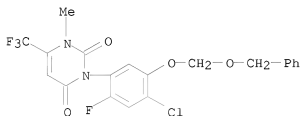


CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(1,3-dioxolan-2-ylmethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



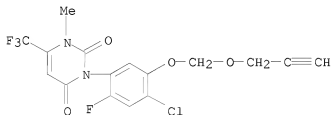
RN 114169-55-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(phenylmethoxy)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



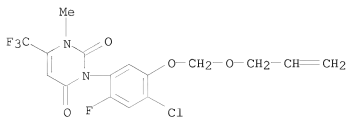
RN 114169-56-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-propynyloxy)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



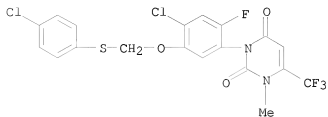
RN 114169-57-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-propenyloxy)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



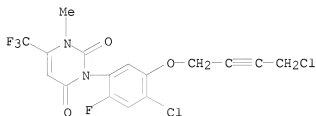
RN 114169-58-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chlorophenyl)thio]methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



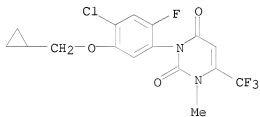
RN 114169-59-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-butynyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



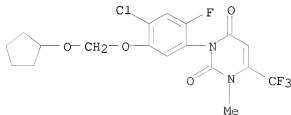
RN 114169-60-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(cyclopropylmethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-61-8 CAPLUS

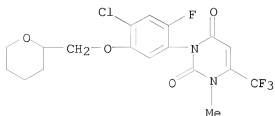
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(cyclopentyl)oxy]methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



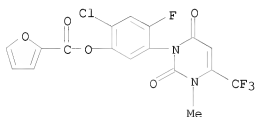
RN 114169-62-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(tetrahydro-2H-pyran-2-

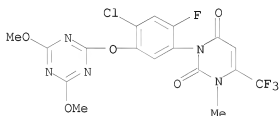
yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



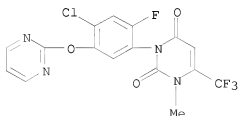
RN 114169-63-0 CAPLUS  
CN 2-Furancarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



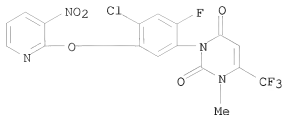
RN 114169-64-1 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-1,3,5-triazin-2-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



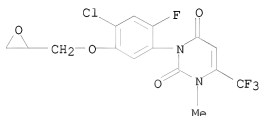
RN 114169-65-2 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-pyrimidininyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



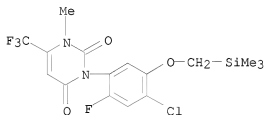
RN 114169-66-3 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



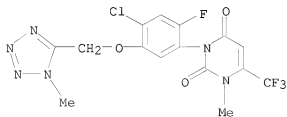
RN 114169-67-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(oxiranylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



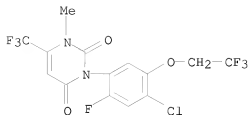
RN 114169-68-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(trimethylsilylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-69-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-1H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

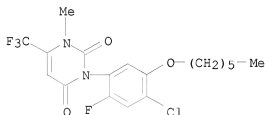


RN 114169-70-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2,2,2-trifluoroethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



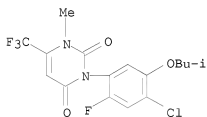
RN 114169-71-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(hexyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



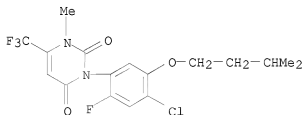
RN 114169-72-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methylpropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



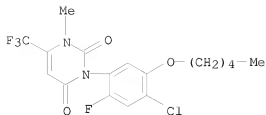
RN 114169-73-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(3-methylbutoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



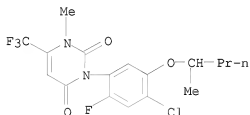
RN 114169-74-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(pentyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



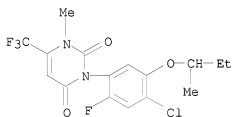
RN 114169-75-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylbutoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



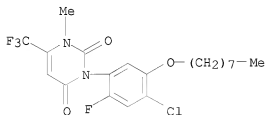
RN 114169-76-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylpropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



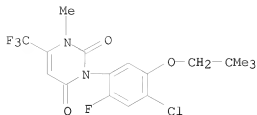
RN 114169-77-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(octyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

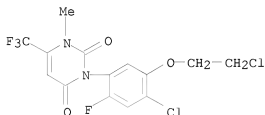


RN 114169-78-7 CAPLUS

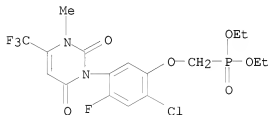
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2,2-dimethylpropoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



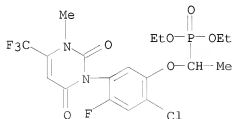
RN 114169-79-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-chloroethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



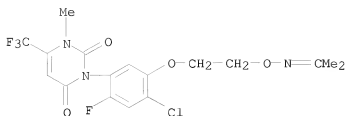
RN 114169-80-1 CAPLUS  
 CN Phosphonic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



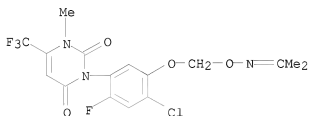
RN 114169-81-2 CAPLUS  
 CN Phosphonic acid, [[1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]-, diethyl ester (9CI) (CA INDEX NAME)



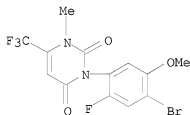
RN 114169-82-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[[1-methylethylidene]amino]oxy]ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



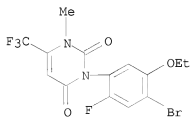
RN 114169-83-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[[(1-methylethylidene)amino]oxy]methoxy]phenyl]-1-methyl-6-(trifluoromethyl)-  
 (CA INDEX NAME)



RN 114169-84-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-methoxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

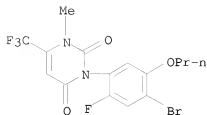


RN 114169-85-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

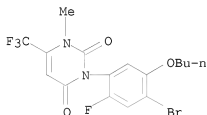


RN 114169-86-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-propoxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

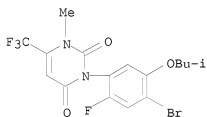




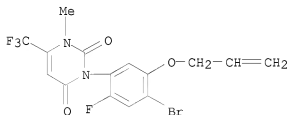
RN 114169-87-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-5-butoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



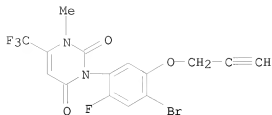
RN 114169-88-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-methylpropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-89-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

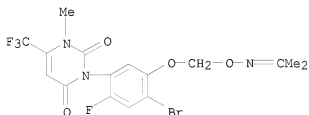


RN 114169-90-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-propynyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



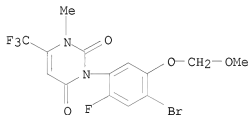
RN 114169-91-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[[[(1-methylethylidene)amino]oxy]methoxy]phenyl]-1-methyl-6-(trifluoromethyl)-  
(CA INDEX NAME)



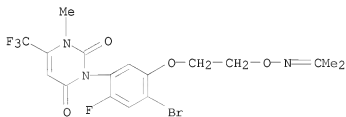
RN 114169-92-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(methoxymethoxy)phenyl]-1-methyl-6-(trifluoromethyl)-  
(CA INDEX NAME)



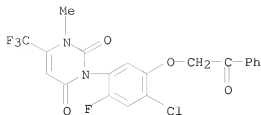
RN 114169-93-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[2-[[[(1-methylethylidene)amino]oxy]ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)-  
(CA INDEX NAME)

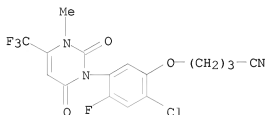


RN 114169-94-7 CAPLUS

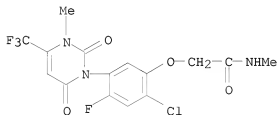
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-oxo-2-phenylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)-  
(CA INDEX NAME)



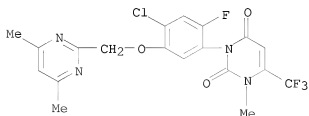
RN 114169-95-8 CAPLUS  
 CN Butanenitrile, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



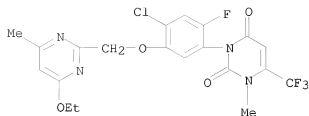
RN 114169-96-9 CAPLUS  
 CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methyl- (CA INDEX NAME)



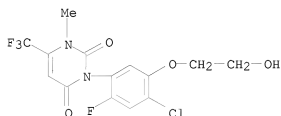
RN 114169-97-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethyl-2-pyrimidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



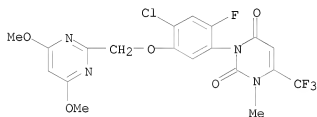
RN 114169-98-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-ethoxy-6-methyl-2-pyrimidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



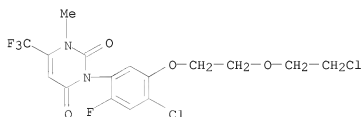
RN 114169-99-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



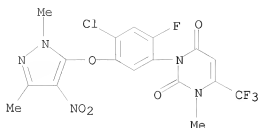
RN 114170-00-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-2-pyrimidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



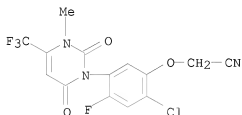
RN 114170-01-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-(2-chloroethoxy)ethoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



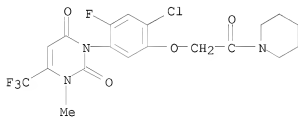
RN 114170-02-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,3-dimethyl-4-nitro-1H-pyrazol-5-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



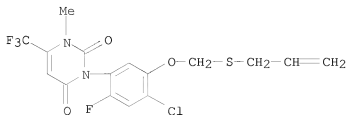
RN 114170-03-5 CAPLUS  
 CN Acetonitrile, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (9CI) (CA INDEX NAME)



RN 114170-04-6 CAPLUS  
 CN Piperidine, 1-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]acetyl]- (9CI) (CA INDEX NAME)

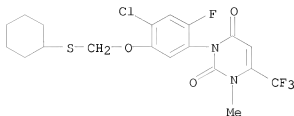


RN 114170-05-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-propenylthio)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



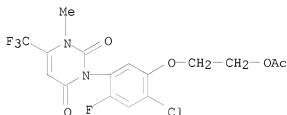
RN 114170-06-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(cyclohexylthio)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



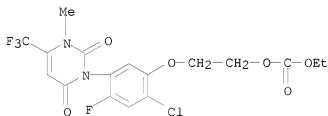
RN 114170-07-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[2-(acetyloxy)ethoxy]-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



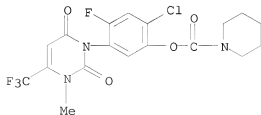
RN 114170-08-0 CAPLUS

CN Carbonic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl ethyl ester (CA INDEX NAME)



RN 114170-09-1 CAPLUS

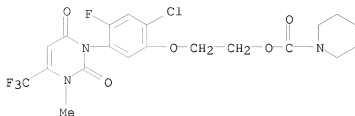
CN 1-Piperidinecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



RN 114170-10-4 CAPLUS

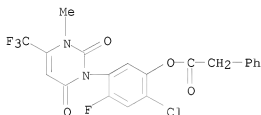
CN 1-Piperidinecarboxylic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-

4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl ester (CA INDEX NAME)



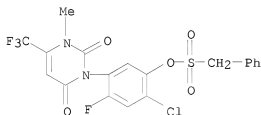
RN 114170-11-5 CAPLUS

CN Benzenesulfonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



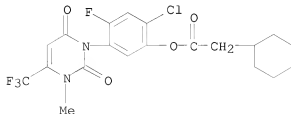
RN 114170-12-6 CAPLUS

CN Benzenemethanesulfonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



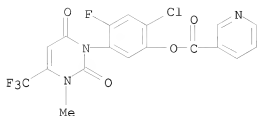
RN 114170-13-7 CAPLUS

CN Cyclohexanecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)

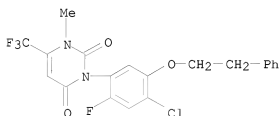


RN 114170-14-8 CAPLUS

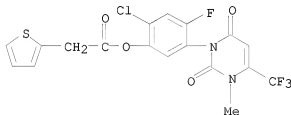
CN 3-Pyridinecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



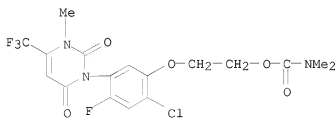
RN 114170-15-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-phenylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114170-16-0 CAPLUS  
 CN 2-Thiopheneacetic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)

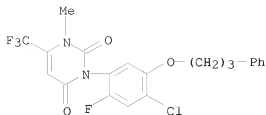


RN 114170-17-1 CAPLUS  
 CN Carbamic acid, dimethyl-, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl ester (9CI) (CA INDEX NAME)



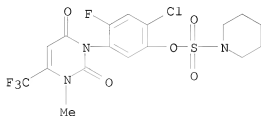
RN 114170-18-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(3-phenylpropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)





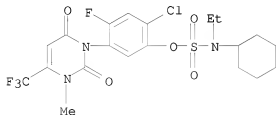
RN 114170-19-3 CAPLUS

CN 1-Piperidinesulfonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



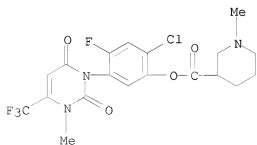
RN 114170-20-6 CAPLUS

CN Sulfamic acid, cyclohexylethyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114170-21-7 CAPLUS

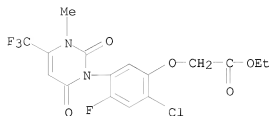
CN 3-Piperidinecarboxylic acid, 1-methyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



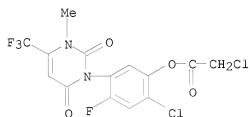
RN 114170-22-8 CAPLUS

CN Acetic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

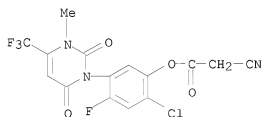
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (9CI)  
(CA INDEX NAME)



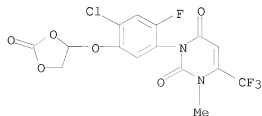
RN 114170-23-9 CAPLUS  
CN Acetic acid, chloro-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114170-24-0 CAPLUS  
CN Acetic acid, cyano-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)

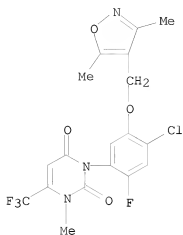


RN 114170-25-1 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-oxo-1,3-dioxolan-4-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



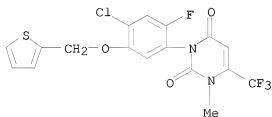
RN 114170-26-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(3,5-dimethyl-4-isoxazolyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



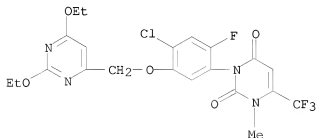
RN 114170-27-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-thienylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



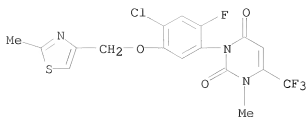
RN 114170-28-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,6-diethoxy-4-pyrimidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



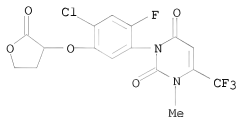
RN 114170-30-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-4-thiazolyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



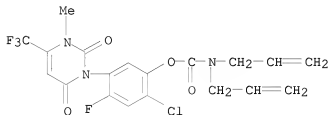
RN 114170-31-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(tetrahydro-2-oxo-3-furanyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



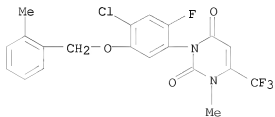
RN 114170-32-0 CAPLUS

CN Carbamic acid, di-2-propenyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



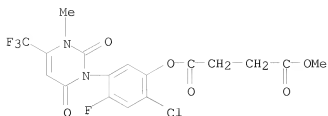
RN 114170-33-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methylphenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



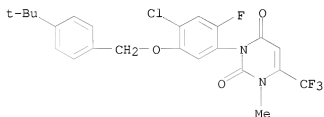
RN 114170-34-2 CAPLUS

CN Butanedioic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl methyl ester (9CI) (CA INDEX NAME)



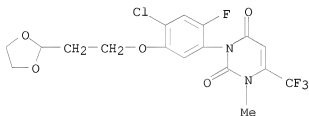
RN 114170-35-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[4-(1,1-dimethylethyl)phenyl]methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



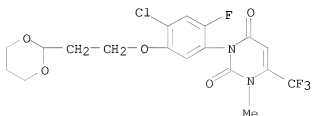
RN 114170-36-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-(1,3-dioxolan-2-yl)ethoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



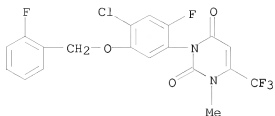
RN 114170-37-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-(1,3-dioxan-2-yl)ethoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

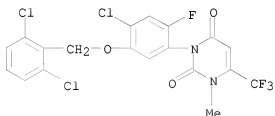


RN 114170-38-6 CAPLUS

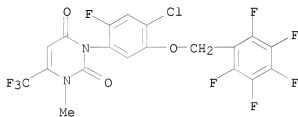
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-fluorophenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



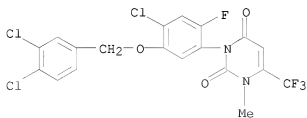
RN 114170-39-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,6-dichlorophenyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



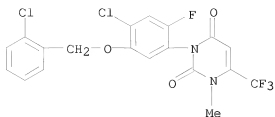
RN 114170-40-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(pentafluorophenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI)  
 (CA INDEX NAME)



RN 114170-41-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(3,4-dichlorophenyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

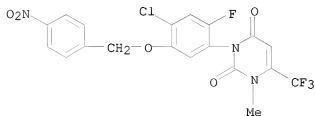


RN 114170-42-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-chlorophenyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



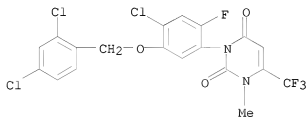
RN 114170-43-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-nitrophenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



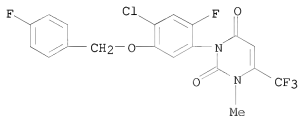
RN 114170-44-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,4-dichlorophenyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



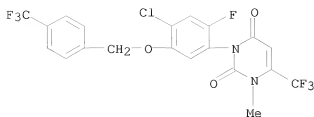
RN 114170-45-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-fluorophenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



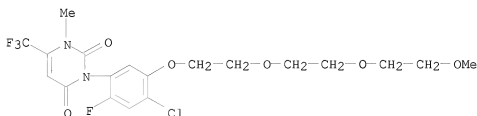
RN 114170-46-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-(trifluoromethyl)phenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



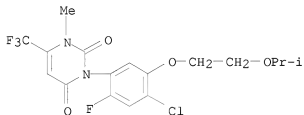
RN 114170-47-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



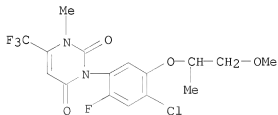
RN 114170-48-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(1-methylethoxy)ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114170-49-9 CAPLUS

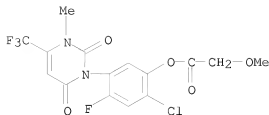
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methoxy-1-methylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114170-50-2 CAPLUS

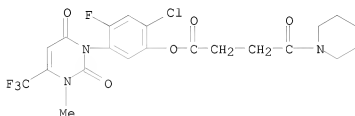
CN Acetic acid, methoxy-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)





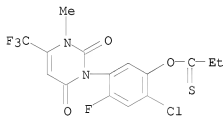
RN 114170-51-3 CAPLUS

CN 1-Piperidinebutanoic acid,  $\gamma$ -oxo-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



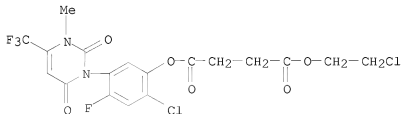
RN 114170-52-4 CAPLUS

CN Propanethioic acid, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] ester (9CI) (CA INDEX NAME)



RN 114170-53-5 CAPLUS

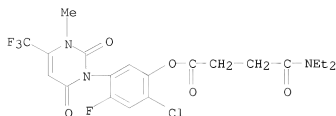
CN Butanedioic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-chloroethyl ester (9CI) (CA INDEX NAME)



RN 114170-54-6 CAPLUS

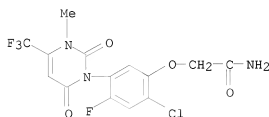
CN Butanoic acid, 4-(diethylamino)-4-oxo-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)

INDEX NAME)



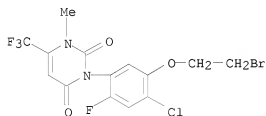
RN 114183-68-5 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



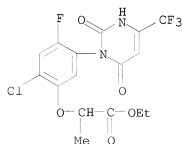
RN 114190-14-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-bromoethoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114190-15-7 CAPLUS

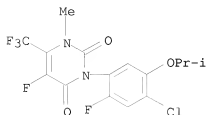
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



RN 114190-16-8 CAPLUS

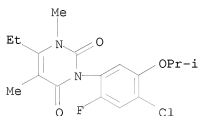
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-

5-fluoro-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114190-17-9 CAPLUS

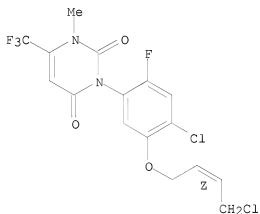
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-ethyl-1,5-dimethyl- (CA INDEX NAME)



RN 114190-18-0 CAPLUS

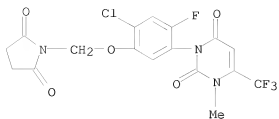
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-butenyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 114190-19-1 CAPLUS

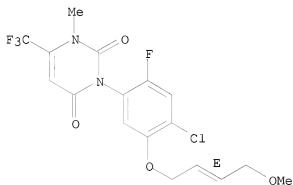
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,5-dioxo-1-pyrrolidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114190-20-4 CAPLUS

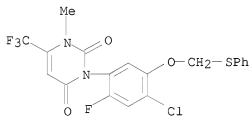
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-methoxy-2-butenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



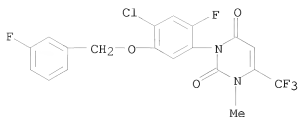
RN 114190-21-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(phenylthio)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114190-22-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-fluorophenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



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FILE LAST UPDATED: 22 Jan 2008 (20080122/ED)

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=> d his

(FILE 'HOME' ENTERED AT 11:24:55 ON 23 JAN 2008)

FILE 'CAPLUS' ENTERED AT 11:25:05 ON 23 JAN 2008

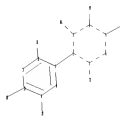
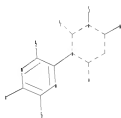
=> s 19

L9 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=>

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chain nodes :

13 14 16 18 19 21 22

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

1-13 2-7 3-14 4-19 5-21 9-22 10-18 12-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :  
1-2 1-6 1-13 2-3 2-7 3-4 3-14 4-5 4-19 5-6 5-21 9-22 12-16  
exact bonds :  
10-18  
normalized bonds :  
7-8 7-12 8-9 9-10 10-11 11-12

G1:O,S

G2:H,X

G3:H,Ak

G4:O,S,Hy

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:CLASS 14:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS  
22:CLASS

L1        STRUCTURE UPLOADED

=> s l1 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 11:25:58 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 258599 TO ITERATE

100.0% PROCESSED 258599 ITERATIONS                    1391 ANSWERS  
SEARCH TIME: 00.00.05

L2            1391 SEA SSS FUL L1

L3            91 L2

=> d l3 72-81 ibib abs hitstr

L3    ANSWER 72 OF 91    CAPLUS    COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:        1995:290129    CAPLUS

DOCUMENT NUMBER:        122:81012

TITLE:                    3-aryluracil derivatives and their use as herbicides

INVENTOR(S):             Wenger, Jean

PATENT ASSIGNEE(S):      Ciba-Geigy A.-G., Switz.

SOURCE:                  PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE:            Patent

LANGUAGE:                English

FAMILY ACC. NUM. COUNT: 1

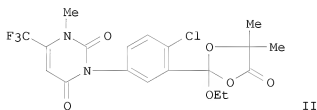
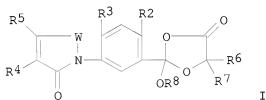
PATENT INFORMATION:



| PATENT NO.  | KIND   | DATE     | APPLICATION NO. | DATE       |
|-------------|--|----------|-----------------|------------|
| WO 9424128  | A1   | 19941027 | WO 1994-EP1109  | 19940411   |
| W:          | AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, US, UZ, VN |          |                 |            |
| RW:         | AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG                         |          |                 |            |
| CA 2136647  | A1   | 19941027 | CA 1994-2136647 | 19940411   |
| AU 9466773  | A  | 19941108 | AU 1994-66773   | 19940411   |
| EP 647225   | A1   | 19950412 | EP 1994-914358  | 19940411   |
| R:          | CH, DE, FR, GB, IT, LI   |          |                 |            |
| JP 07508536 | T  | 19950921 | JP 1994-522719  | 19940411   |
| HU 70582    | A2   | 19951030 | HU 1995-177     | 19940411   |
| RO 110498   | B1   | 19960130 | RO 1994-2045    | 19940411   |
| BR 9405209  | A  | 19990831 | BR 1994-5209    | 19940411   |
| ZA 9402715  | A  | 19941026 | ZA 1994-2715    | 19940420   |
| US 5599771  | A  | 19970204 | US 1994-347392  | 19941216   |
|             |  |          | CH 1993-1207    | A 19930421 |
|             |  |          | WO 1994-EP1109  | W 19940411 |

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 122:81012  
GI



AB The title compds., 3-[(oxodioxolanyl)phenyl]uracils I (R2 = halo, cyano; R3 = H, F; R4 = H, halo, alkyl; R5 = alkyl, haloalkyl; R6, R7 = H, alkyl, alkenyl, etc.; R8 = alkyl, cyanoalkyl, etc.; W = amido linking group, imino linking group) were disclosed as herbicides. An example compound, the [(oxodioxolanyl)phenyl]uracil [i.e., the 3-[4-chloro-3-[(2-ethoxy-4-oxo-5,5-dimethyl-1,3-dioxolan-2-yl)phenyl]]-1-methyl-6-(trifluoromethyl)-2,4(1H,3H)-pyrimidinedione] II was prepared

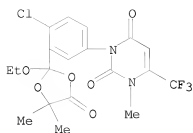
IT 160152-70-5P 160152-74-9P 160152-75-0P  
160152-76-1P 160152-77-2P 160152-78-3P  
160152-79-4P 160152-80-7P 160152-81-8P  
160152-82-9P 160152-83-0P 160152-84-1P  
160152-85-2P 160152-86-3P 160152-87-4P  
160152-88-5P 160152-89-6P 160152-90-9P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of [(oxodioxolanyl)phenyl]uracils herbicides)

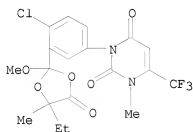
RN 160152-70-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-ethoxy-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



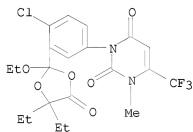
RN 160152-74-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-ethyl-2-methoxy-4-methyl-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



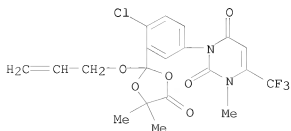
RN 160152-75-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-ethoxy-4,4-diethyl-5-oxo-2-(2-dioxolan-2-yl)phenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



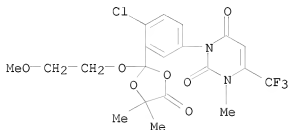
RN 160152-76-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-dimethyl-5-oxo-2-(2-propenyloxy)-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



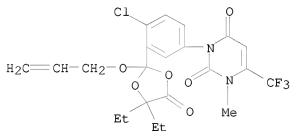
RN 160152-77-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(2-methoxyethoxy)-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)-  
(CA INDEX NAME)



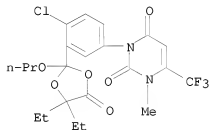
RN 160152-78-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-diethyl-5-oxo-2-(2-propenyloxy)-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI)  
(CA INDEX NAME)



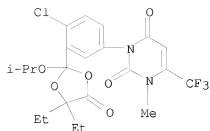
RN 160152-79-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,4-diethyl-5-oxo-2-propoxy-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



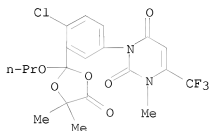
RN 160152-80-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-diethyl-2-(1-methylethoxy)-5-oxo-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



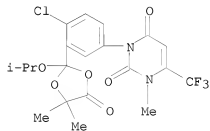
RN 160152-81-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,4-dimethyl-5-oxo-2-propoxy-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



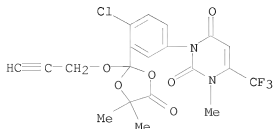
RN 160152-82-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-dimethyl-2-(1-methylethoxy)-5-oxo-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



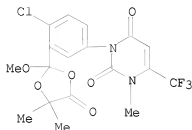
RN 160152-83-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-dimethyl-5-oxo-2-(2-propynyloxy)-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



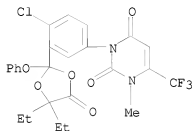
RN 160152-84-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methoxy-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



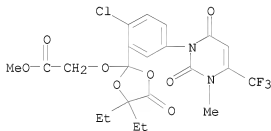
RN 160152-85-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,4-diethyl-5-oxo-2-phenoxy-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



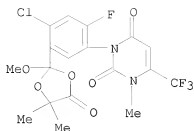
RN 160152-86-3 CAPLUS

CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-4,4-diethyl-5-oxo-1,3-dioxolan-2-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



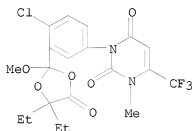
RN 160152-87-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methoxy-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



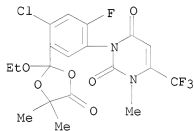
RN 160152-88-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,4-diethyl-2-methoxy-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



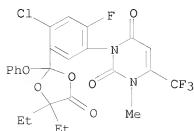
RN 160152-89-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-ethoxy-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 160152-90-9 CAPLUS

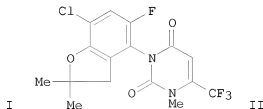
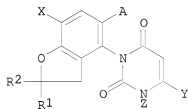
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-ethoxy-4,4-dimethyl-5-oxo-2-phenoxy-1,3-dioxolan-2-yl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 73 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1995:219131 CAPLUS  
 DOCUMENT NUMBER: 122:133209  
 TITLE: Preparation of 1-(benzofuranyl)-2,6-pyrimidinediones  
 as herbicides  
 INVENTOR(S): Takemura, Susumu; Takano, Minoru; Kizawa, Satoru;  
 Saito, Kazuo  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 40 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

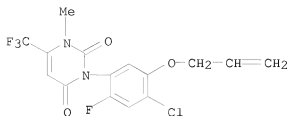
| PATENT NO.                            | KIND                                   | DATE     | APPLICATION NO. | DATE       |
|---------------------------------------|--|----------|-----------------|------------|
| EP 617033                             | A1                                     | 19940928 | EP 1994-104098  | 19940316   |
| EP 617033                             | B1                                     | 19980812 |                 |            |
| R: AT, CH, DE, ES, FR, GB, GR, IT, LI |  |          |                 |            |
| JP 06321941                           | A                                      | 19941122 | JP 1994-40018   | 19940310   |
| US 5411935                            | A                                      | 19950502 | US 1994-208516  | 19940310   |
| US 5476834                            | A                                      | 19951219 | US 1994-208570  | 19940310   |
| RU 2125993                            | C1                                     | 19990210 | RU 1994-8619    | 19940314   |
| CA 2119047                            | A1                                     | 19940918 | CA 1994-2119047 | 19940315   |
| ZA 9401848                            | A                                      | 19940919 | ZA 1994-1848    | 19940316   |
| AU 9457848                            | A                                      | 19940922 | AU 1994-57848   | 19940316   |
| AU 676256                             | B2                                     | 19970306 |                 |            |
| BR 9401188                            | A                                      | 19941101 | BR 1994-1188    | 19940316   |
| AT 169623                             | T                                      | 19980815 | AT 1994-104098  | 19940316   |
| ES 2119919                            | T3                                     | 19981016 | ES 1994-104098  | 19940316   |
| CN 1092774                            | A                                      | 19940928 | CN 1994-103149  | 19940317   |
| CN 1053903                            | B                                      | 20000628 |                 |            |
| CN 1235969                            | A                                      | 19991124 | CN 1999-102089  | 19990306   |
| PRIORITY APPLN. INFO.:                |  |          | JP 1993-57216   | A 19930317 |
| OTHER SOURCE(S):                      | CASREACT 122:133209; MARPAT 122:133209 |          |                 |            |

GI



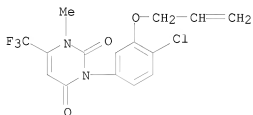
AB New (benzofuranyl)-2,6-pyrimidinediones I (A, X = H, halo, etc.; Z = Me, amino; R1 = H, alkyl, etc.; R2 = alkyl, haloalkyl, etc.) were disclosed as herbicides. An example compound, 1-(7-chloro-5-fluoro-2,2-dimethyl-4-benzofuranyl)-3-methyl-4-(trifluoromethyl)-2,6-pyrimidinedione (II) was prepared  
 IT 114168-61-5 159333-13-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of (benzofuranyl)pyrimidinediones herbicides)  
 RN 114168-61-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 159333-13-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

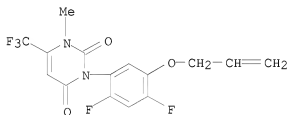


IT 159333-11-6P 159333-12-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of (benzofuranyl)pyrimidinediones herbicides)

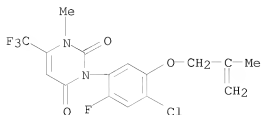
RN 159333-11-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



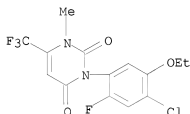
RN 159333-12-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)





L3 ANSWER 74 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1994:156539 CAPLUS  
 DOCUMENT NUMBER: 120:156539  
 TITLE: Ethane formation by peroxidizing herbicides  
 AUTHOR(S): Boeger, Peter; Nicolaus, Beate  
 CORPORATE SOURCE: Univ. Konstanz, Konstanz, D-7750, Germany  
 SOURCE: Target Assays Mod. Herbic. Relat. Phytotoxic Compd. (1993), 51-60. Editor(s): Boeger, Peter; Sandmann, Gerhard. Lewis: Boca Raton, Fla.  
 CODEN: 59RDAI  
 DOCUMENT TYPE: Conference  
 LANGUAGE: English  
 AB Using Scenedesmus cultures, ethane formation induced by peroxidizers can be quant. correlated with other cell data like growth impairment or chlorophyll bleaching. Soybean cells do not grow as rapidly as Scenedesmus. These 2 systems as appropriate with preference to Scenedesmus. The cress seedlings system is not recommended for a quant. evaluation. This is due to the unavoidable handling of seedlings before the incubation experiment  
 IT 114168-56-8  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
 (ethane formation by, in Scenedesmus cultures, soybean cells in relation to)  
 RN 114168-56-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

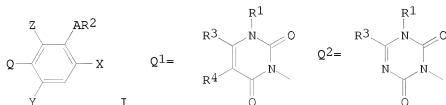


L3 ANSWER 75 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1994:54550 CAPLUS  
 DOCUMENT NUMBER: 120:54550  
 TITLE: Phenylpyrimidinedione and phenyltris(zinc)dione herbicides  
 INVENTOR(S): Amuti, Kofi Sam; Hong, Wonpyo; Semple, Joseph Edward  
 PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA  
 SOURCE: PCT Int. Appl., 128 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 9314073  | A1   | 19930722 | WO 1992-US11330 | 19921230 |
| W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, UA, US |      |          |                 |          |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,                           |      |          |                 |          |

BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG

|                           |    |          |                 |             |
|---------------------------|----|----------|-----------------|-------------|
| AU 9334271                | A  | 19930803 | AU 1993-34271   | 19921230    |
| EP 623117                 | A1 | 19941109 | EP 1993-902843  | 19921230    |
| R: DE, ES, FR, GB, IT, PT |    |          |                 |             |
| BR 9207072                | A  | 19951205 | BR 1992-7072    | 19921230    |
| IL 104388                 | A  | 19990509 | IL 1993-104388  | 19930114    |
| CN 1074441                | A  | 19930721 | CN 1993-100434  | 19930115    |
| ZA 9300272                | A  | 19940715 | ZA 1993-272     | 19930115    |
| US 5602077                | A  | 19970211 | US 1994-256339  | 19940713    |
| PRIORITY APPLN. INFO.:    |    |          | US 1992-821118  | A2 19920115 |
| OTHER SOURCE(S):          |    |          | WO 1992-US11330 | A 19921230  |
| MARPAT 120:54550          |    |          |                 |             |
| GI                        |    |          |                 |             |



AB The title compds. I [A = O, S; Q = Q1, Q2; R1 = (un)substituted C1-4 alkyl, (un)substituted C3-6 alkenyl or C3-6 alkenyl, C2-6 alkanoyl; R3 = C1-4 alkyl, C1-4 haloalkyl, NMe2; R4 = H, halogen; R2 = H, iso-Pr, allyl, propargyl, CH(CH3)C.tplbond.CH, PhCH2, etc.; X = Cl, Br; Y = F, Cl; Z = H; ZR2 = CH2CHR9 such that be linking A atom is attached to the methine C; R9 = C1-3 alkyl, C1-3 haloalkyl, cyclopropyl, vinyl, CN, etc.], which demonstrate preemergent and postemergent herbicidal activity, and which are useful for controlling undesired species in crop fields, including plantation and specialty crops, are prepared. Thus, 3-[4-chloro-2-fluoro-5-(hydroxy)phenyl]-1-methyl-6-(trifluoromethyl)-2,4-(1H,3H)-pyrimidinedione with condensed with propargyl bromide, producing 3-[4-chloro-2-fluoro-5-[(2-propynyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)-2,4-(1H,3H)-pyrimidinedione, which demonstrated preemergent and postemergent herbicidal activity against a wide variety of plant species.

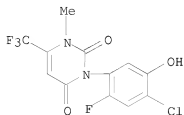
IT 114136-60-6P 114168-58-0P 114168-61-5P  
114168-78-4P 114168-89-7P 151856-48-3P  
151856-56-3P 151856-57-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and herbicidal activity of)

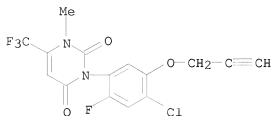
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



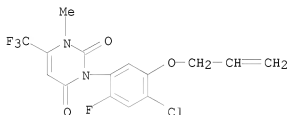
RN 114168-58-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



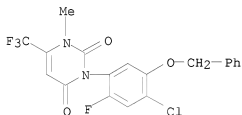
RN 114168-61-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



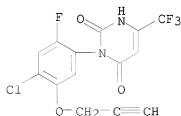
RN 114168-78-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



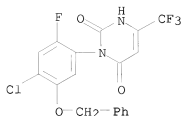
RN 114168-89-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

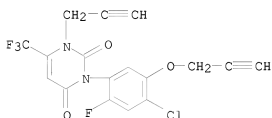


RN 151856-48-3 CAPLUS

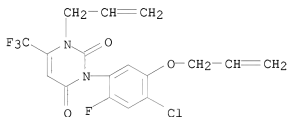
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



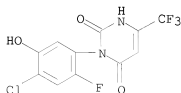
RN 151856-56-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-(2-propynyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 151856-57-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-1-(2-propenyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



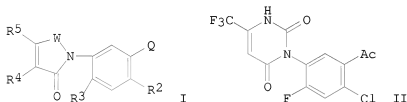
IT 114136-62-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, in preparation of herbicides)  
 RN 114136-62-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



DOCUMENT NUMBER: 119:160313  
 TITLE: Preparation of 3-arylluracils as herbicides  
 INVENTOR(S): Wenger, Jean; Winternitz, Paul; Zeller, Martin  
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.  
 SOURCE: Eur. Pat. Appl., 59 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND   | DATE       | APPLICATION NO. | DATE       |
|---|--------|------------|-----------------|------------|
| EP 542685   | A1     | 19930519   | EP 1992-810853  | 19921104   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE |        |            |                 |            |
| US 5336663  | A      | 19940809   | US 1992-971445  | 19921104   |
| JP 05294920   | A      | 19931109   | JP 1992-328756  | 19921113   |
| PRIORITY APPLN. INFO.:  |        |            | CH 1991-3302    | A 19911113 |
| OTHER SOURCE(S):  | MARPAT | 119:160313 |                 |            |

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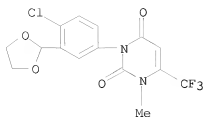


AB Title compds. [I; w = NR1Co, N:COR13; R1 = H, (halo)alkyl, alkenyl, alkynyl; R2 = halo, cyano, R3 = H, halo; R4 = H, halo, alkyl; R5 = (halo)alkyl; R4R5 = (CH2)n; n = 3,4; R13 = alkyl, alkenyl, alkynyl; Q = COR6, CR6:NOR7, (R6:NNR8R9, etc.; R6 = H, (cyclo)alkyl, cycloalkylalkyl; R7 V H, (cyclo)alkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2], were prepared. Thus, Et 3-amino-4,4,4-trifluorocrotonate was stirred with NaH in DMF at -10°; the mixture was cooled to -40° and treated with 3-acetyl-4-chloro-6-fluorophenylisocyanate (preparation given) to give title compound II. Several I at 1 kg/ha postemergent gave complete control of chenopodium, Sinapsis, and Galium.

IT 149045-47-6P 149914-67-0P 149914-68-1P  
 149914-69-2P 149914-72-7P 149914-73-8P  
 149914-74-9P 149914-77-2P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

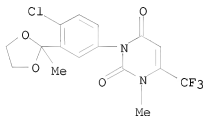
RN 149045-47-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



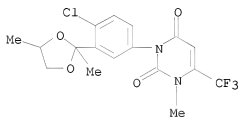
RN 149914-67-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



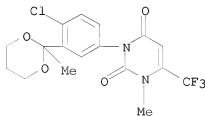
RN 149914-68-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2,4-dimethyl-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



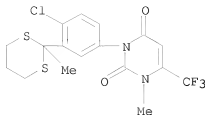
RN 149914-69-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-1,3-dioxan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

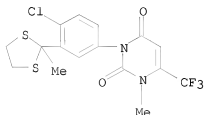


RN 149914-72-7 CAPLUS

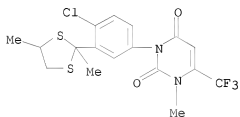
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-1,3-dithian-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



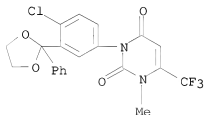
RN 149914-73-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-1,3-dithiolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 149914-74-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2,4-dimethyl-1,3-dithiolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 149914-77-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-phenyl-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 77 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1993:517271 CAPLUS  
 DOCUMENT NUMBER: 119:117271  
 TITLE: Preparation of 3-phenyluracils as herbicides,  
 defoliants, and insecticides

INVENTOR(S): Klintz, Ralf; Schaefer, Peter; Hamprecht, Gerhard; Heistracher, Elisabeth; Wolf, Hans Josef; Westphalen, Karl Otto; Gerber, Matthias; Kardorff, Uwe; Walter, Helmut; Grossmann, Klaus

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: Ger. Offen., 271 pp.

DOCUMENT TYPE: Patent

LANGUAGE: German

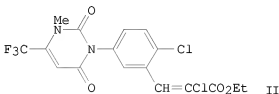
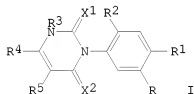
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE        |
|--|------|----------|-----------------|-------------|
| DE 4131038   | A1   | 19930401 | DE 1991-4131038 | 19910920    |
| WO 9306090   | A1   | 19930401 | WO 1992-EP2088  | 19920910    |
| W: BR, CA, HU, JP, KR, US                                      |      |          |                 |             |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE |      |          |                 |             |
| EP 604491  | A1   | 19940706 | EP 1992-919190  | 19920910    |
| R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL                      |      |          |                 |             |
| BR 9206518   | A    | 19950425 | BR 1992-6518    | 19920910    |
| HU 70880   | A2   | 19951128 | HU 1994-801     | 19920910    |
| JP 3253299   | B2   | 20020204 | JP 1993-505745  | 19920910    |
| ZA 9207153   | A    | 19940318 | ZA 1992-7153    | 19920918    |
| US 6239074   | B1   | 20010529 | US 1997-774722  | 19970103    |
| US 2001031865  | A1   | 20011018 | US 2000-733554  | 20001204    |
| PRIORITY APPLN. INFO.:   |      |          | DE 1991-4131038 | A 19910920  |
|  |      |          | WO 1992-EP2088  | W 19920910  |
|  |      |          | US 1994-211067  | B1 19940318 |
|  |      |          | US 1997-774722  | A3 19970103 |

OTHER SOURCE(S): MARPAT 119:117271

GI



AB Title compds. I [R = C(X<sub>5</sub>)R<sub>8</sub>, C(X<sub>3</sub>R<sub>6</sub>)(X<sub>4</sub>R<sub>7</sub>)R<sub>8</sub>, CR<sub>8</sub>:CR<sub>9</sub>COR<sub>10</sub>, CHR<sub>8</sub>CHR<sub>9</sub>COR<sub>10</sub>, etc.; R<sub>1</sub> = halo, cyano, NO<sub>2</sub>, CF<sub>3</sub>; R<sub>2</sub> = H, halo; R<sub>3</sub> = H, (cyclo)alkyl, alkenyl, alkanoyl, etc.; R<sub>4</sub> = H, halo, (cyclo)alkyl, Ph, etc.; R<sub>5</sub> = H, halo, (cyclo)alkyl, CHO, etc.; R<sub>6</sub>, R<sub>7</sub> = (alkoxy)alkyl, alkenyl, alkynyl, etc.; R<sub>6</sub>R<sub>7</sub> = atoms to complete a ring; R<sub>8</sub> = H, cyano, (halo)alkyl, etc.; R<sub>9</sub> = H, halo, (halo)alkyl, etc.; R<sub>10</sub> = H, OH, alkoxy, etc.; X<sub>1</sub>-X<sub>4</sub> = O, S; X<sub>5</sub> = O, S, (alkyl)imino, etc.] were prepared. Thus, 4,3-Cl(EtO<sub>2</sub>CClC:CH)C<sub>6</sub>H<sub>3</sub>NCO (preparation given) was cyclocondensed with F<sub>3</sub>CC(NH<sub>2</sub>):CHCO<sub>2</sub>Et to give, after N-methylation, title compound II which gave 73% defoliation of cotton plants at 0.10 kg/ha.

IT 149045-44-3P 149045-47-6P

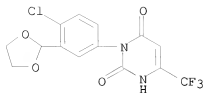
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of, as defoliant, herbicide, and insecticide)

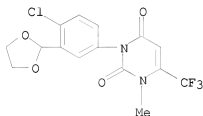
RN 149045-44-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidin-2-one, 3-[4-chloro-3-(1,3-dioxolan-2-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

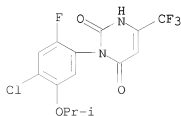




RN 149045-47-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

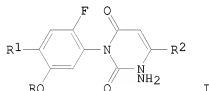


L3 ANSWER 78 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1993:465565 CAPLUS  
 DOCUMENT NUMBER: 119:65565  
 TITLE: A quantum chemical study of light-dependent herbicides  
 AUTHOR(S): Akagi, T.; Skashita, N.  
 CORPORATE SOURCE: Cent. Res. Inst., Ishihara Sangyo Kaisha, Ltd.,  
 Kusatsu, 525, Japan  
 SOURCE: Zeitschrift fuer Naturforschung, C: Journal of  
 Biosciences (1993), 48(3-4), 345-9  
 CODEN: ZNCBDA; ISSN: 0341-0382  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Common structural features were investigated for light-dependent  
 herbicides (LDHs, also called peroxidizing or photobleaching herbicides).  
 Quantum chemical calcs. of 143 herbicidal compds. revealed that LUMO were  
 similar and strikingly low. Using the LUMO position as an anchor,  
 presumably known structure-activity relationships could be explained.  
 Overall mol. similarity between oxyfluorfen and chlorophthalium was examined  
 by mol. field fitting. The result supported LUMO position correspondence.  
 IT 114136-48-0  
 RL: BIOL (Biological study)  
 (light-dependent herbicide, quantum chemical study of)  
 RN 114136-48-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-  
 6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 79 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1993:254947 CAPLUS  
 DOCUMENT NUMBER: 118:254947  
 TITLE: Amino uracil derivatives, and their production and use  
 INVENTOR(S): Enomoto, Masayuki; Takemura, Susumu; Sakaki, Masaharu;  
 Shojima, Shinsuke; Nagano, Eiki  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 24 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

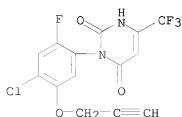
| PATENT NO.             | KIND              | DATE     | APPLICATION NO. | DATE       |
|------------------------|-------------------|----------|-----------------|------------|
| EP 517181              | A1                | 19921209 | EP 1992-109371  | 19920603   |
| EP 517181              | B1                | 19950920 |                 |            |
| R: CH, DE, FR, GB, LI  |                   |          |                 |            |
| JP 04360876            | A                 | 19921214 | JP 1991-137677  | 19910610   |
| JP 05155866            | A                 | 19930622 | JP 1992-134865  | 19920527   |
| US 5280010             | A                 | 19940118 | US 1992-894606  | 19920605   |
| PRIORITY APPLN. INFO.: |                   |          | JP 1991-136383  | A 19910607 |
|                        |                   |          | JP 1991-137677  | A 19910610 |
| OTHER SOURCE(S):       | MARPAT 118:254947 |          |                 |            |
| GI                     |                   |          |                 |            |



I

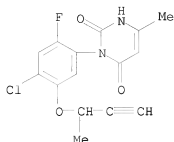
AB Aminouracils I (R = alkyl, alkenyl, alkynyl, alkoxyalkyl, haloalkyl, haloalkenyl; R1 = Cl, Br; R2 = Me, halomethyl) were prepared Thus, I (R = CH2C≡CH, R1 = Cl, R2 = CF3) (II) was prepared by N-amination of the pyrimidinedione with 2,4-(O2N)2C6H3ONH2. At 0.63 g/are, post-emergence, II gave complete control of tall morning glory and velvet leaf.

IT 114168-89-7 147217-58-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (N-amination of)  
 RN 114168-89-7 CAPLUS  
 CN 2,4-(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 147217-58-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-2-propynyl)oxy]phenyl]-6-methyl- (9CI) (CA INDEX NAME)



L3 ANSWER 80 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1993:207561 CAPLUS

DOCUMENT NUMBER: 118:207561

TITLE: Preparation of 1-phenyl-4-trifluoromethyluracils as herbicides.

INVENTOR(S): Nagano, Hideyoshi; Kamikawa, Toru; Takemura, Susumu; Enomoto, Masayuki; Sakaki, Masaharu; Sato, Makoto

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE:

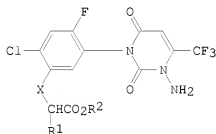
LANGUAGE: Patent

FAMILY ACC. NUM. COUNT: 1 Japanese

PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE       | APPLICATION NO. | DATE        |
|------------------------|--------|------------|-----------------|-------------|
| JP 05004972            | A      | 19930114   | JP 1991-225944  | 19910905    |
| PRIORITY APPLN. INFO.: |        |            | JP 1990-236846  | A1 19900905 |
| OTHER SOURCE(S):       | MARPAT | 118:207561 |                 |             |

GI



I

AB Herbicides contain 1-phenyl-4-trifluoromethyluracils I (R1 = H, Me; R2 = alkyl, alkylcycloalkyl; X = O, S) as active ingredients. Et 3-amino-4-trifluorocrotonate (1.8 g) was stirred with 0.48 g 60% NaH in DMF for 30 min and the mixture was stirred with 5.1 g Et 4-chloro-2-fluoro-5-(1-ethoxycarbonylthio)phenylcarbamate at 90-100° for 8 h to give 0.2 g 1-[4'-chloro-2'-fluoro-5'-(1-ethoxycarbonylthio)phenyl]-4-trifluoromethyl-3,6-dihydro-(1H)-pyrimidine-2,6-dione (II). II (0.2 g) was treated with 0.018 g NaH in DMF at 0° for 30 min and the mixture was stirred with 0.1 g 2,4-dinitrophenoxamine at 20-30° for 4 h to give 0.04 g I (R1 =

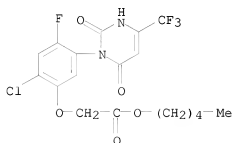
Me, R2 = Et, X = S) (III). III (5 g/are) totally controlled Echinochloa crus-galli, Ipomoea purpurea, and Abutilon theophrasti. Formulation examples are given.

IT 147350-08-1

RL: RCT (Reactant); RACT (Reactant or reagent)  
(amination of)

RN 147350-08-1 CAPLUS

CN Acetic acid, [2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester (9CI) (CA INDEX NAME)

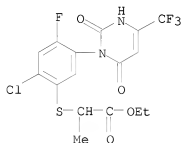


IT 147350-07-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and amination of)

RN 147350-07-0 CAPLUS

CN Propanoic acid, 2-[[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, ethyl ester (CA INDEX NAME)



L3 ANSWER 81 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1993:141841 CAPLUS

DOCUMENT NUMBER: 118:141841

TITLE: Preparation of dihydrodioxypyrimidinylbenzenesulfonamide derivatives as herbicides

INVENTOR(S): Strunk, Richard J.; Bell, Allyn R.

PATENT ASSIGNEE(S): Uniroyal Chemical Co., Inc., USA

SOURCE: U.S., 18 pp.  
CODEN: USXXAM

DOCUMENT TYPE: Patent

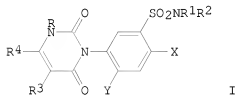
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE     | APPLICATION NO. | DATE     |
|------------|------|----------|-----------------|----------|
| US 5169430 | A    | 19921208 | US 1991-742957  | 19910809 |

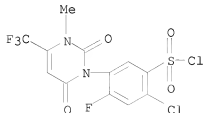
WO 9303019 A1 19930218 WO 1992-US6417 19920803  
W: AU, BR, CA, FI, HU, JP, NO, RU  
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE  
AU 9224233 A 19930302 AU 1992-24233 19920803  
EP 598774 A1 19940601 EP 1992-916883 19920803  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE  
JP 07501788 T 19950223 JP 1992-503774 19920803  
JP 08026008 B 19960313  
BR 9206350 A 19950411 BR 1992-6350 19920803  
HU 72160 A2 19960328 HU 1994-357 19920803  
US 5324854 A 19940628 US 1992-987511 19921207  
US 5486610 A 19960123 US 1994-214932 19940317  
PRIORITY APPLN. INFO.: US 1991-742957 A 19910809  
OTHER SOURCE(S): CASREACT 118:141841; MARPAT 118:141841  
GI WO 1992-US6417 A 19920803  
US 1992-987511 A3 19921207



AB The title compds. I [R = H, (halo)alkyl, formyl, alkenyl, etc.; X = alkyl, alkoxy, CN, halo; Y = H, halo, dialkylamino; R1 = H, (cyclo)alkyl, alkenyl, etc.; R2 = H, (cyclo)alkyl, (halo)alkenyl, alkynyl, alkoxy, etc.; R3 = H, halo, alkyl; R4 = (halo)alkyl] are prepared as herbicides. A solution of 2-chloro-4-fluoro-5-[(3,5-dihydro-3-methyl-4-trifluoromethyl-2,6-dioxo-1(2H)-pyrimidinyl)benzenesulfonyl chloride (preparation given) in CH2Cl2 was treated with an aqueous solution of ethylamine to give I (R = Me, R1 = R3 = H, R2 = Et, R4 = CF3, X = Cl, Y = F) (II). II (11.2 kg/ha pre-emergence) totally controlled prickly sida (*Sida spinosa*), morning glory (*Ipomea purpurea*), switchgrass (*Panicum virgatum*) and other weeds.

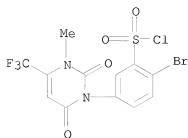
IT 146423-50-9P 146423-53-2P 146423-54-3P  
146423-55-4P 146436-82-0P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and reaction of, with alkylamines)

RN 146423-50-9 CAPLUS  
CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



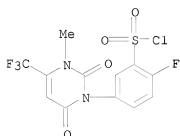
RN 146423-53-2 CAPLUS  
CN Benzenesulfonyl chloride, 2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)



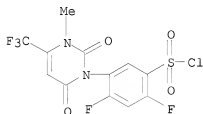
RN 146423-54-3 CAPLUS

CN Benzenesulfonyl chloride, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2-fluoro- (CA INDEX NAME)



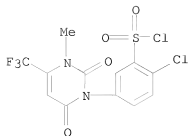
RN 146423-55-4 CAPLUS

CN Benzenesulfonyl chloride, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluoro- (CA INDEX NAME)



RN 146436-82-0 CAPLUS

CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)

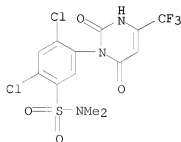


IT 146422-74-4P 146422-75-5P 146422-76-6P  
 146422-77-7P 146422-78-8P 146422-79-9P  
 146422-80-2P 146422-88-0P 146422-89-1P  
 146422-90-4P 146422-91-5P 146422-92-6P  
 146422-93-7P 146422-94-8P 146422-95-9P  
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 146436-77-3P 146436-79-5P 146436-80-8P  
 146436-81-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

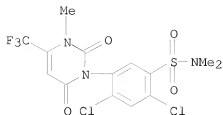
RN 146422-74-4 CAPLUS

CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)

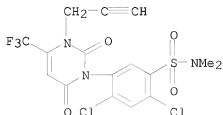


RN 146422-75-5 CAPLUS

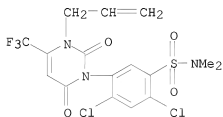
CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)



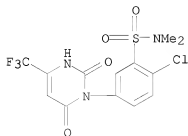
RN 146422-76-6 CAPLUS  
 CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-3-(2-propynyl)-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 146422-77-7 CAPLUS  
 CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-3-(2-propenyl)-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

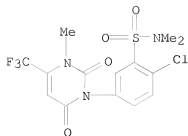


RN 146422-78-8 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)



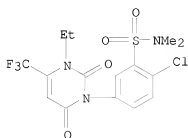
RN 146422-79-9 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)





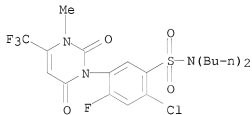
RN 146422-80-2 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3-ethyl-3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)



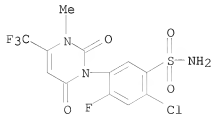
RN 146422-88-0 CAPLUS

CN Benzenesulfonamide, N,N-dibutyl-2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



RN 146422-89-1 CAPLUS

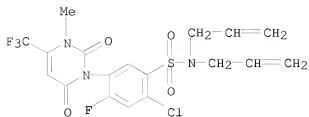
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



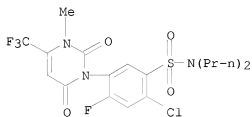
RN 146422-90-4 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

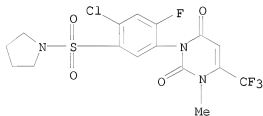
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N,N-di-2-propenyl- (9CI)  
(CA INDEX NAME)



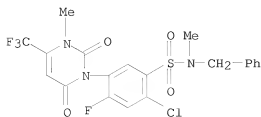
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CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N,N-dipropyl- (CA INDEX NAME)



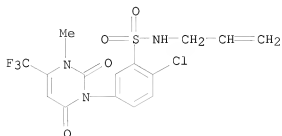
RN 146422-92-6 CAPLUS  
CN Pyrrolidine, 1-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]- (9CI) (CA INDEX NAME)



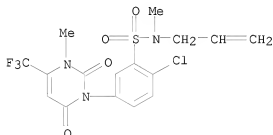
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CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl-N-(phenylmethyl)- (CA INDEX NAME)



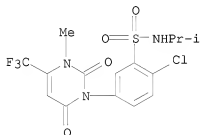
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 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-2-propenyl- (9CI) (CA INDEX NAME)



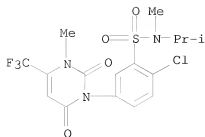
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 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-2-propenyl- (9CI) (CA INDEX NAME)



RN 146422-96-0 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(1-methylethyl)- (CA INDEX NAME)

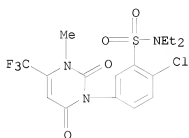


RN 146422-97-1 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-(1-methylethyl)- (CA INDEX NAME)



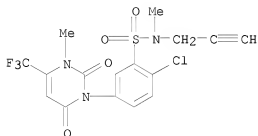
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CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-diethyl- (CA INDEX NAME)



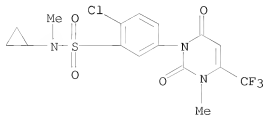
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CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-2-propynyl- (9CI) (CA INDEX NAME)



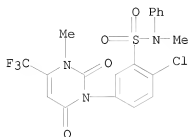
RN 146423-00-9 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-cyclopropyl-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (CA INDEX NAME)



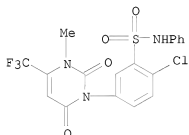
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CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-phenyl- (CA INDEX NAME)



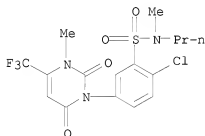
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CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-phenyl- (CA INDEX NAME)



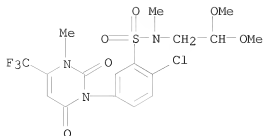
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CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-propyl- (CA INDEX NAME)



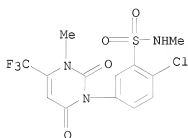
RN 146423-04-3 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-N-methyl- (CA INDEX NAME)



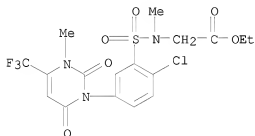
RN 146423-05-4 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (CA INDEX NAME)



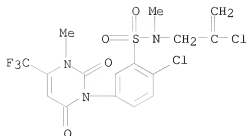
RN 146423-06-5 CAPLUS

CN Glycine, N-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-N-methyl-, ethyl ester (CA INDEX NAME)



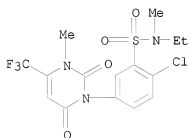
RN 146423-07-6 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-(2-chloro-2-propenyl)-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (9CI)  
(CA INDEX NAME)



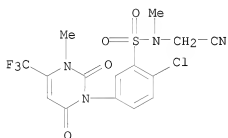
RN 146423-08-7 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-ethyl-N-methyl- (CA INDEX NAME)



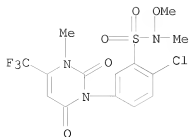
RN 146423-09-8 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-(cyanomethyl)-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (CA INDEX NAME)

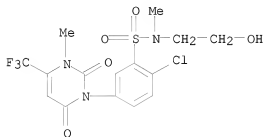


RN 146423-10-1 CAPLUS

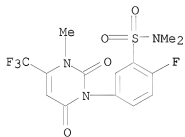
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methoxy-N-methyl- (CA INDEX NAME)



RN 146423-11-2 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (CA INDEX NAME)

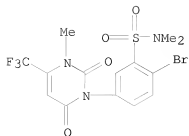


RN 146423-12-3 CAPLUS  
 CN Benzenesulfonamide, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2-fluoro-N,N-dimethyl- (CA INDEX NAME)

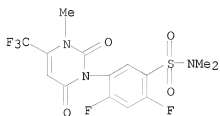


RN 146423-13-4 CAPLUS  
 CN Benzenesulfonamide, 2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)

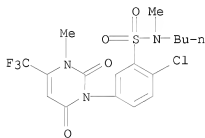




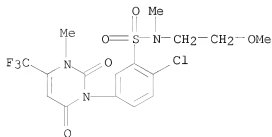
RN 146423-14-5 CAPLUS  
 CN Benzenesulfonamide, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluoro-N,N-dimethyl- (CA INDEX NAME)



RN 146423-16-7 CAPLUS  
 CN Benzenesulfonamide, N-butyl-2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (CA INDEX NAME)

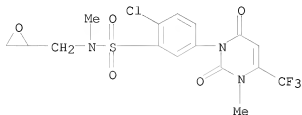


RN 146423-17-8 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2-methoxyethyl)-N-methyl- (CA INDEX NAME)



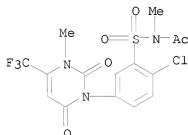
RN 146423-18-9 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-(oxiranylmethyl)- (9CI)  
(CA INDEX NAME)



RN 146423-19-0 CAPLUS

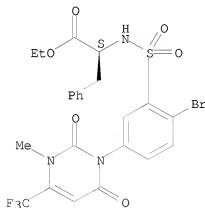
CN Acetamide, N-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-N-methyl- (CA INDEX NAME)



RN 146423-20-3 CAPLUS

CN L-Phenylalanine, N-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

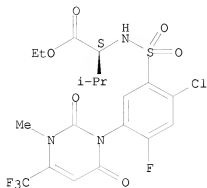


RN 146423-21-4 CAPLUS

CN L-Valine, N-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, ethyl

ester (CA INDEX NAME)

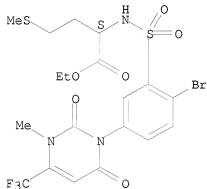
Absolute stereochemistry.



RN 146423-22-5 CAPLUS

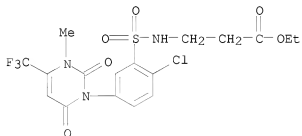
CN L-Methionine, N-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenylsulfonyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



RN 146423-23-6 CAPLUS

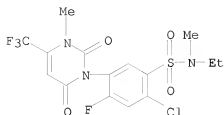
CN  $\beta$ -Alanine, N-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenylsulfonyl]-, ethyl ester (CA INDEX NAME)



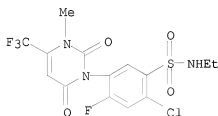
RN 146423-28-1 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-ethyl-4-fluoro-N-methyl- (CA INDEX NAME)

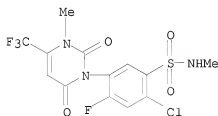
NAME)



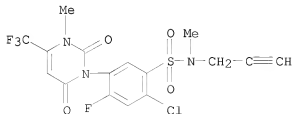
RN 146423-29-2 CAPLUS  
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-ethyl-4-fluoro- (CA INDEX NAME)



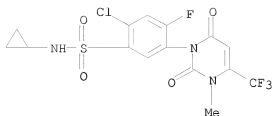
RN 146423-30-5 CAPLUS  
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)



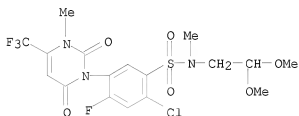
RN 146423-31-6 CAPLUS  
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl-N-2-propynyl- (9CI)  
(CA INDEX NAME)



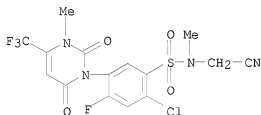
RN 146423-32-7 CAPLUS  
CN Benzenesulfonamide, 2-chloro-N-cyclopropyl-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



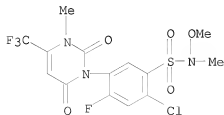
RN 146423-33-8 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-4-fluoro-N-methyl- (CA INDEX NAME)



RN 146423-34-9 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-N-(cyanomethyl)-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)

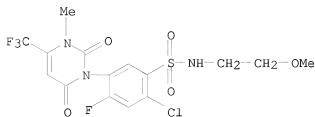


RN 146423-35-0 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methoxy-N-methyl- (CA INDEX NAME)

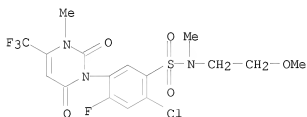


RN 146423-36-1 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

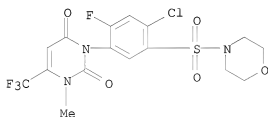
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-(2-methoxyethyl)- (CA INDEX NAME)



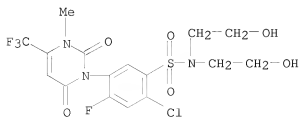
RN 146423-37-2 CAPLUS  
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-(2-methoxyethyl)-N-methyl- (CA INDEX NAME)



RN 146423-38-3 CAPLUS  
CN Morpholine, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenylsulfonyl]- (9CI) (CA INDEX NAME)

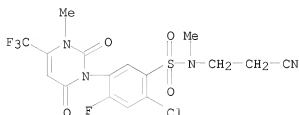


RN 146423-39-4 CAPLUS  
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N,N-bis(2-hydroxyethyl)- (CA INDEX NAME)



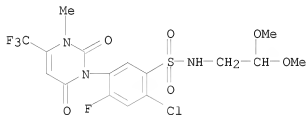
RN 146423-40-7 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-(2-cyanoethyl)-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)



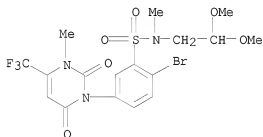
RN 146423-41-8 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-4-fluoro- (CA INDEX NAME)



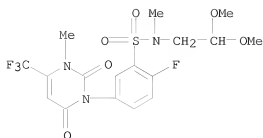
RN 146423-42-9 CAPLUS

CN Benzenesulfonamide, 2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-N-methyl- (CA INDEX NAME)

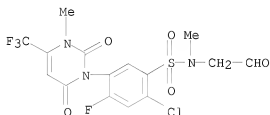


RN 146423-43-0 CAPLUS

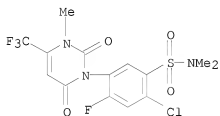
CN Benzenesulfonamide, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-2-fluoro-N-methyl- (CA INDEX NAME)



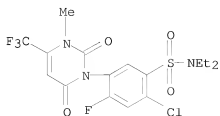
RN 146423-44-1 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl-N-(2-oxoethyl)- (CA INDEX NAME)



RN 146436-70-6 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N,N-dimethyl- (CA INDEX NAME)



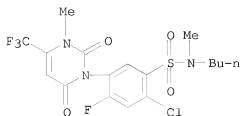
RN 146436-71-7 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-diethyl-4-fluoro- (CA INDEX NAME)



RN 146436-72-8 CAPLUS

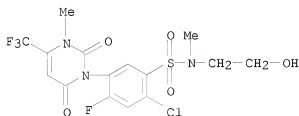


CN Benzenesulfonamide, N-butyl-2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)



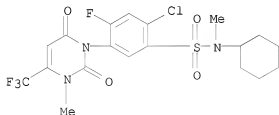
RN 146436-73-9 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-(2-hydroxyethyl)-N-methyl- (CA INDEX NAME)



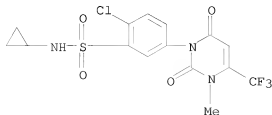
RN 146436-74-0 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-cyclohexyl-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)



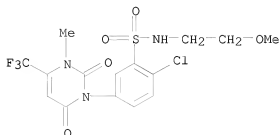
RN 146436-75-1 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-cyclopropyl-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)



RN 146436-76-2 CAPLUS

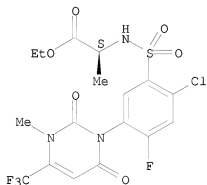
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2-methoxyethyl)- (CA INDEX NAME)



RN 146436-77-3 CAPLUS

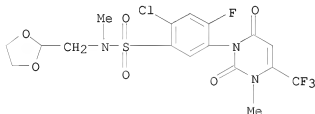
CN L-Alanine, N-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



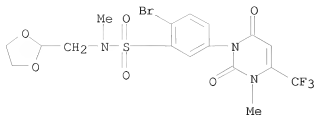
RN 146436-79-5 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(1,3-dioxolan-2-ylmethyl)-4-fluoro-N-methyl- (CA INDEX NAME)

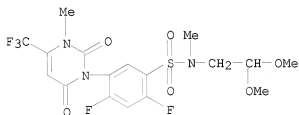


RN 146436-80-8 CAPLUS

CN Benzenesulfonamide, 2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(1,3-dioxolan-2-ylmethyl)-N-methyl- (CA INDEX NAME)



RN 146436-81-9 CAPLUS  
 CN Benzenesulfonamide, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-2,4-difluoro-N-methyl- (CA INDEX NAME)

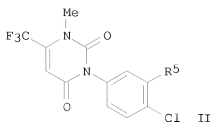
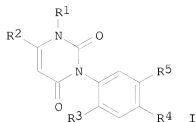


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L3 ANSWER 62 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1998:204460 CAPLUS  
 DOCUMENT NUMBER: 128:257283  
 TITLE: Process for the production of 3-aryl-uracils  
 INVENTOR(S): Sting, Andrea Rolf  
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.  
 SOURCE: Eur. Pat. Appl., 27 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.  | KIND              | DATE     | APPLICATION NO. | DATE       |
|---|-------------------|----------|-----------------|------------|
| EP 831091   | A2                | 19980325 | EP 1997-116411  | 19970919   |
| EP 831091   | A3                | 19980415 |                 |            |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO |                   |          |                 |            |
| CA 2216323  | A1                | 19980323 | CA 1997-2216323 | 19970919   |
| JP 10120659   | A                 | 19980512 | JP 1997-256704  | 19970922   |
| PRIORITY APPLN. INFO.:  |                   |          | CH 1996-2321    | A 19960923 |
| OTHER SOURCE(S):  | MARPAT 128:257283 |          |                 |            |

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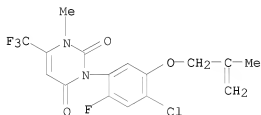


AB Preps. of 3-aryl-uracils such as I [R1 = Me, Et; R2 = CF3, CC1F2, CC12F, C2F5; R3 = H, F, Cl; R4 = H, F, Cl, Br, CN, NO2, Me, CHF2; R5 = H, CN, NO2, OH, halogen, alkoxy, alkylthio, alkenyloxy, carboxy, etc.] were presented which used solvents, such as DMF, DMSO, MeCN, EtCN, AcOEt, THF, dioxane, in the presence of bases, such as tert-BuOK, tert-BuONa, MeONa, EtONa, MeOK, EtOK, NaH, KH, sodium pentylate, potassium pentylate and 1,8-diazabicyclo[5.4.0]undec-7-ene (DBU). Thus, uracil II (R5 = CO2Me2CO2CH2CH:CH2) was prepared in 86.3% yield by reaction of Et 3-methylamino-4,4,4-trifluorobut-2-enoate and 5-isocyanato-2-chlorobenzoic acid 1-allyloxycarbonyl-1-methylethyl ester in the presence of 0.347 g of tert-BuOK in anhydrous DMF. The same reaction using anhydrous MeCN as the solvent gave II in 85% yield.

IT 159333-12-7P 205188-63-2P  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (process for the production of 3-aryl-uracils)

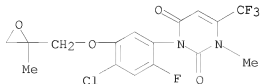
RN 159333-12-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 205188-63-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyloxiranyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



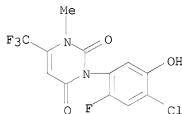
TITLE: Preparation of 2H-chromenes and their use as herbicides  
 INVENTOR(S): Ito, Minoru; Miyazaki, Masahiro; Takeuchi, Akira; Tamaru, Masatoshi; Yamaji, Mitsuhiro; Hanai, Ryo; Uotsu, Sota; Sadohara, Hideo  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan; Ihara Chemical Industry Co., Ltd.  
 SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| JP 09301973   | A    | 19971125 | JP 1996-139468  | 19960509 |
| PRIORITY APPLN. INFO.:<br>OTHER SOURCE(S): MARPAT 128:34781 |      |          | JP 1996-139468  | 19960509 |

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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Herbicidal 2H-chromenes I or II [X = H, halo; Y = H, halo, cyano; R1-R4 = H, (un)substituted alkyl, CO2H, alkoxy, carbonyl, alkylsulfonyloxyalkyl, acyl, hydroxyiminoalkyl, alkoxyiminoalkyl, (un)substituted Ph; R1R2C may form C3-8 spiro ring; Q = Q1-Q4; Z = O, S] are prepared  
 3-(4-Chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-trifluoromethyluracil was refluxed with propargyl bromide and K2CO3 in MeCN for 2 h, then the obtained ether was further refluxed with KF in mesitylene for 2 h to give I (X = F, Y = Cl, R1-R4 = H, Q = Q1), which at 100 g/10 showed 100% herbicidal activity.  
 IT 114136-60-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of 2H-chromenes as herbicides)  
 RN 114136-60-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

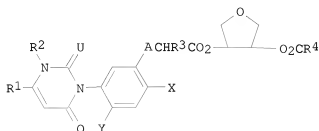


L3 ANSWER 64 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1997:490986 CAPLUS  
 DOCUMENT NUMBER: 127:135810  
 TITLE: Preparation of uracils and herbicides containing them  
 INVENTOR(S): Ota, Chikako; Natsume, Fumitsugu; Minami, Noriko; Ikeda, Osamu  
 PATENT ASSIGNEE(S): Mitsubishi Chemical Industries Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

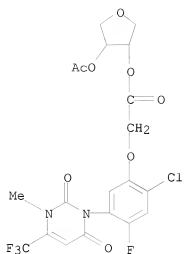
DOCUMENT TYPE: CODEN: JKXXAF  
 LANGUAGE: Patent  
 FAMILY ACC. NUM. COUNT: 1 Japanese  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO.   | DATE     |
|------------------------|------|----------|-------------------|----------|
| JP 09188676            | A    | 19970722 | JP 1996-678       | 19960108 |
| PRIORITY APPLN. INFO.: |      |          | JP 1996-678       | 19960108 |
| OTHER SOURCE(S):       |      |          | MARPAT 127:135810 |          |

GI

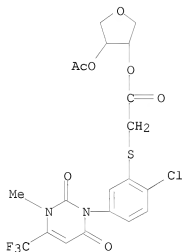


- AB Title compds. I (A = O, S, NH; X = halo; Y = H, halo; U = O, S; R1 = C1-3 haloalkyl; R2 = C1-3 alkyl; R3 = H, C1-4 alkyl; R4 = C1-5 alkyl, C2-5 alkenyl, C3-6 cycloalkyl; C1-3 haloalkyl, PhCH2, Ph), useful as selective herbicides, are prepared Et 3-methylamino-4,4,4-trifluorocrotonate (1.62 g) was treated with NaH at 0° for 15 min, then treated with 10.0 g 4-acetoxytetrahydrofuran-3-yl 2-(2-chloro-5-isocyanatophenylthio)acetate at -30° for 2 h to give 0.31 g I (A = S, U = O, X = Cl, Y = R3 = H, R1 = CF3, R2 = R4 = Me), which at 10 g/are showed 100% herbicidal activity.
- IT 192928-89-5P 192928-90-8P 192928-91-9P  
 192928-92-0P 192928-93-1P 192928-94-2P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of uracils as selective herbicides)
- RN 192928-89-5 CAPLUS
- CN Acetic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 4-(acetyloxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)



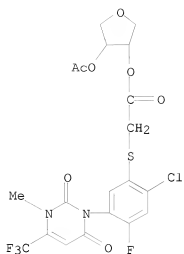
RN 192928-90-8 CAPLUS

CN Acetic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]thio]-, 4-(acetyloxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)



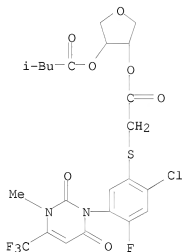
RN 192928-91-9 CAPLUS

CN Acetic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, 4-(acetyloxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)



RN 192928-92-0 CAPLUS

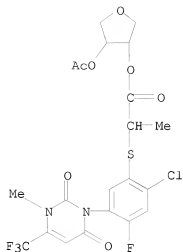
CN Butanoic acid, 3-methyl-, 4-[[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]acetyl]oxy]tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)



RN 192928-93-1 CAPLUS

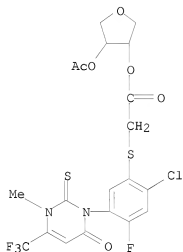
CN Propanoic acid, 2-[[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-4-(acetyloxy)tetrahydro-3-furanyl ester (CA INDEX NAME)





RN 192928-94-2 CAPLUS

CN Acetic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-6-oxo-2-thioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, 4-(acetyloxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)

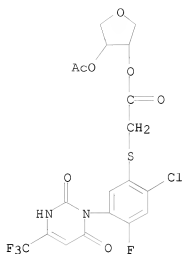


IT 192928-98-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of uracils as selective herbicides)

RN 192928-98-6 CAPLUS

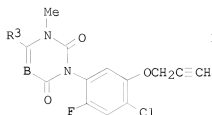
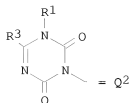
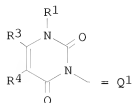
CN Acetic acid, [[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, 4-(acetyloxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)



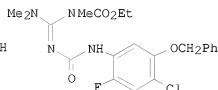
L3 ANSWER 65 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1997:128084 CAPLUS  
 DOCUMENT NUMBER: 126:199577  
 TITLE: Pyrimidine and triazine derivatives as herbicides and plant growth regulators  
 INVENTOR(S): Amuti, Kofi S.; Hong, Wonpyo; Semple, Joseph E.  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: U.S., 45 pp., Cont.-in-part of U.S. Ser. No. 821, 118, abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE        |
|--|------|----------|-----------------|-------------|
| US 5602077   | A    | 19970211 | US 1994-256339  | 19940713    |
| WO 9314073   | A1   | 19930722 | WO 1992-US11330 | 19921230    |
| W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, UA, US                          |      |          |                 |             |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG |      |          |                 |             |
| US 5567670   | A    | 19961022 | US 1995-468399  | 19950606    |
| PRIORITY APPLN. INFO.:   |      |          | US 1992-821118  | B2 19920115 |
|  |      |          | WO 1992-US11330 | W 19921230  |
|  |      |          | US 1994-256339  | A3 19940713 |

OTHER SOURCE(S): MARPAT 126:199577  
 GI



II



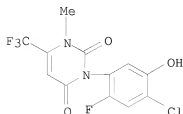
III

AB Heterocycles I [A = O, S; Q = Q1, Q2; R1 = optionally substituted alkyl, alkenyl, alkynyl, acyl; R2 = H, CHMe2, CH2CH:CH2, CH2C.tplbond.CH, CHMeC.tplbond.CH, CH2Ph, CHR7CO2R8; R3 = alkyl, haloalkyl, NMe2; R4 = H, halogen; R5, R6 = H, alkyl; R7, R8 = Me, Et; X = Cl, Br; Y = F, Cl; Z = H; ZR2 = CH2CHR9; R9 = alkyl, haloalkyl, cyclopropyl; vinyl, C.tplbond.CH, CN, COR10, CO2R10, CONR10R11, CR12R13CONR10R11, CHR12OH, CHR12O2CR10, CHR12O2CNR10R11; R10, R11, R12, R13 = H, alkyl] are useful for controlling the growth of undesired vegetation in a plantation crop by applying an effective amount to the locus of the crop. Thus, pyrimidine II (B = CH, R3 = CF3) was prepared via cyclization of CF3C(NH2):CHCO2Et with 4-chloro-2-fluoro-5-(phenylmethoxy)phenyl isocyanate, followed by N-methylation, hydrogenolysis and O-alkylation with propargyl bromide. Triazine II (B = N, R3 = NMe2) was prepared from Me2NC(:NH)NMeCO2Et and 4-chloro-2-fluoro-5-(phenylmethoxy)phenyl isocyanate via intramol. cyclization of carbamate III in PhMe containing MeNH2 and NaOMe, hydrogenolysis and O-alkylation with propargyl bromide. II were tested as general or selective preemergent or postemergent herbicides or as plant growth regulators in numerous tests.

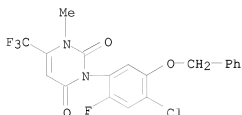
IT 114136-60-6P 114168-78-4P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of pyrimidines and triazines as herbicides and plant growth regulators)

RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

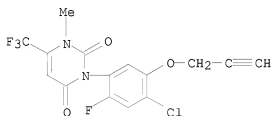


RN 114168-78-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

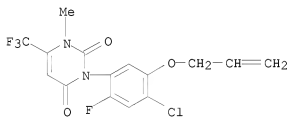


IT 114168-58-0P 114168-61-5P 151856-56-3P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of pyrimidines and triazines as herbicides and plant growth regulators)

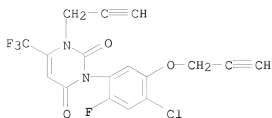
RN 114168-58-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



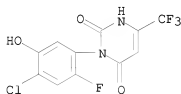
RN 114168-61-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



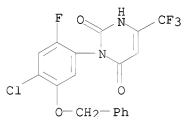
RN 151856-56-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-(2-propynyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



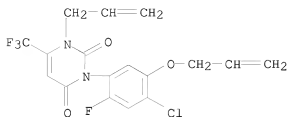
IT 114136-62-8P 151856-48-3P  
 RL: AGR (Agricultural use); RCT (Reactant); SPN (Synthetic preparation);  
 BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent);  
 USES (Uses)  
 (preparation of pyrimidines and triazines as herbicides and plant growth  
 regulators)  
 RN 114136-62-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-  
 (trifluoromethyl)- (CA INDEX NAME)



RN 151856-48-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-  
 6-(trifluoromethyl)- (CA INDEX NAME)



IT 151856-57-4P  
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological  
 study); PREP (Preparation); USES (Uses)  
 (preparation of pyrimidines and triazines as herbicides and plant growth  
 regulators)  
 RN 151856-57-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-  
 1-(2-propenyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 66 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1996:593803 CAPLUS  
 DOCUMENT NUMBER: 125:247844  
 TITLE: Preparation of 3-arylsuracil derivatives as herbicides.  
 INVENTOR(S): Kunz, Walter; Nebel, Kurt  
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.  
 SOURCE: Ger. Offen., 176 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE       | APPLICATION NO.  | DATE       |
|------------------------|--------|------------|------------------|------------|
| DE 19604229            | A1     | 19960814   | DE 1996-19604229 | 19960206   |
| PRIORITY APPLN. INFO.: |        |            | CH 1995-404      | A 19950209 |
| OTHER SOURCE(S):       | MARPAT | 125:247844 |                  |            |

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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

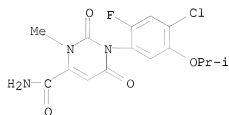
AB Title compds. [I; Q = Q1-Q7; A1 = H, halo; A2 = cyano, NO2, halo, alkyl, alkoxy, OH, haloalkoxy, haloalkyl; A3 = H, cyano, NO2, COR3, COR8, C:(NOR42)CN, OP(:O)(OEt)2, etc.; R = CH:NOH, cyano, CX7NH2; R1 = H, alkyl, alkenyl, alkynyl, haloalkyl, cyano; R2 = H, halo, Me; R3 = halo, amino, etc.; R8 = H, alkyl; R19 = H, alkoxyalkyl, carboxyalkyl, aminoalkyl, (halo-substituted) alkyl, alkenyl, alkynyl, etc.; R20, R21 = H, alkyl, F; R25, R29, R31 = H, alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, alkoxyalkyl, cyanoalkyl, alkoxyalkyl, alkoxyalkyl, PhCH2, etc.; R26, R28, R32, R50 = H, alkyl; R42 = H, alkyl, alkoxyalkyl, alkylthioalkyl, alkylaminoalkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, oxetanyl, (substituted) PhCO, phenylaminocarbonyl, dioxolanyl, etc.; X, X1, X2, Y = O, S; X7 = O, S, imino; n = 0-4], were prepared Thus, Et oxaloacetate and Et carbamate were heated with POC13 to give Et (2,5-dihydro-2,5-dioxo-3-furanyl)carbamate. This was refluxed with 2-fluoro-4-chloro-5-isopropoxyamine to give Et [2,5-dihydro-2,5-dioxo-1-(2-fluoro-4-chloro-5-isopropoxy)phenyl-1H-pyrrol-3-yl]carbamate. The latter was heated in aqueous NaOH/dioxane at 100° to give 2,6-dioxo-1-[(2-fluoro-4-chloro-5-isopropoxy)phenyl]-1,2,3,6-tetrahydropyrimidin-4-carboxylic acid, which was converted to title compound (II). The latter at 2 kg/ha preemergent gave complete control of Avena, Lolium, Setaria, Cyperus, Sinapis, Solanum, Stellaria, and Ipomoea.

IT 181582-46-7P 181582-51-4P 181582-54-7P  
 181582-55-8P 181582-60-5P 181582-61-6P  
 181582-62-7P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except

adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of 3-aryluracil derivs. as herbicides)

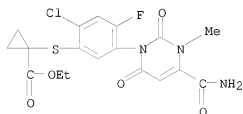
RN 181582-46-7 CAPLUS

CN 4-Pyrimidinecarboxamide, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (CA INDEX NAME)



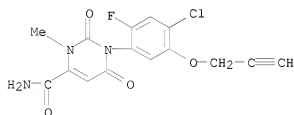
RN 181582-51-4 CAPLUS

CN Cyclopropanecarboxylic acid, 1-[[5-[4-(aminocarbonyl)-3,6-dihydro-3-methyl-2,6-dioxo-1(2H)-pyrimidinyl]-2-chloro-4-fluorophenyl]thio]-, ethyl ester (CA INDEX NAME)



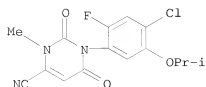
RN 181582-54-7 CAPLUS

CN 4-Pyrimidinecarboxamide, 1-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)

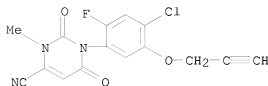


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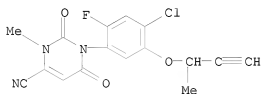
CN 4-Pyrimidinecarbonitrile, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (CA INDEX NAME)



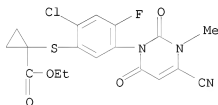
RN 181582-60-5 CAPLUS  
 CN 4-Pyrimidinecarbonitrile, 1-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-  
 1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



RN 181582-61-6 CAPLUS  
 CN 4-Pyrimidinecarbonitrile, 1-[4-chloro-2-fluoro-5-[(1-methyl-2-propynyl)oxy]phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



RN 181582-62-7 CAPLUS  
 CN Cyclopropanecarboxylic acid, 1-[[2-chloro-5-(4-cyano-3,6-dihydro-3-methyl-2,6-dioxo-1(2H)-pyrimidinyl)-4-fluorophenyl]thio]-, ethyl ester (CA INDEX NAME)



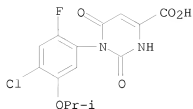
IT 181582-77-4P 181582-79-6P 181582-84-3P  
 181582-86-5P 181582-88-7P 181582-90-1P  
 181583-00-6P 181583-02-8P 181583-03-9P  
 181583-08-4P 181583-10-8P 181583-12-0P  
 181583-14-2P 181583-53-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of 3-aryltriazol derivs. as herbicides)

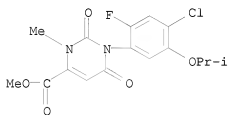
RN 181582-77-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-2,6-dioxo- (CA INDEX NAME)





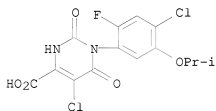
RN 181582-79-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo-, methyl ester (CA INDEX NAME)



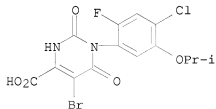
RN 181582-84-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-2,6-dioxo- (CA INDEX NAME)



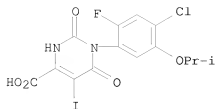
RN 181582-86-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-2,6-dioxo- (CA INDEX NAME)



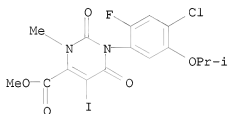
RN 181582-88-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-5-iodo-2,6-dioxo- (CA INDEX NAME)



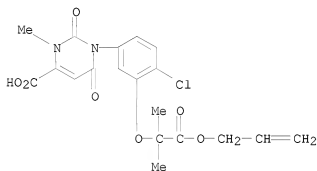
RN 181582-90-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-5-iodo-3-methyl-2,6-dioxo-, methyl ester (CA INDEX NAME)



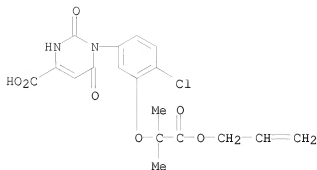
RN 181583-00-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-3-[1,1-dimethyl-2-oxo-2-(2-propenyloxy)ethoxy]phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



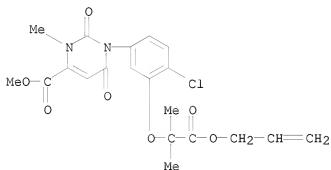
RN 181583-02-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-3-[1,1-dimethyl-2-oxo-2-(2-propenyloxy)ethoxy]phenyl]-1,2,3,6-tetrahydro-2,6-dioxo- (9CI) (CA INDEX NAME)



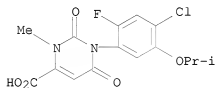
RN 181583-03-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-3-[1,1-dimethyl-2-oxo-2-(2-propenyloxy)ethoxy]phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo-, methyl ester (9CI) (CA INDEX NAME)



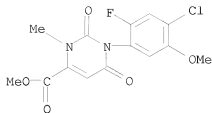
RN 181583-08-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (CA INDEX NAME)



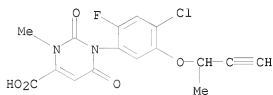
RN 181583-10-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-(4-chloro-2-fluoro-5-methoxyphenyl)-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo-, methyl ester (CA INDEX NAME)



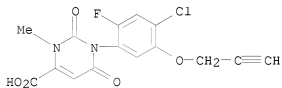
RN 181583-12-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-[(1-methyl-2-propynyl)oxy]phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



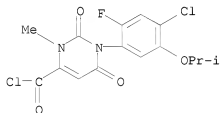
RN 181583-14-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-  
1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



RN 181583-53-9 CAPLUS

4-Pyrimidinecarbonyl chloride, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (CA INDEX NAME)



L3 ANSWER 67 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1996:401568 CAPLUS

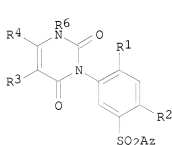
DOCUMENT NUMBER: 125:86635

TITLE: Preparation of pyrimidinylphenylsulfonylazoles as herbicides.

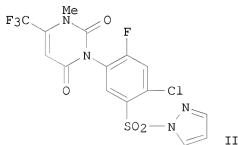
INVENTOR(S): Andree, Roland Dr; Drewes, Mark Wilhelm Dr; Dollinger, Markus Dr; Santel, Hans-Joachim

PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Ger. Offen., 16 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.   | KIND | DATE                                 | APPLICATION NO. | DATE       |
|--|------|--------------------------------------|-----------------|------------|
| DE 4439332   | A1   | 19960509                             | DE 1994-4439332 | 19941104   |
| CA 2204243   | A1   | 19960517                             | CA 1995-2204243 | 19951023   |
| WO 9614315   | A1   | 19960517                             | WO 1995-EP4146  | 19951023   |
| W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, UA, US                              |      |                                      |                 |            |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG |      |                                      |                 |            |
| AU 9538686   | A    | 19960531                             | AU 1995-38686   | 19951023   |
| EP 789696  | A1   | 19970820                             | EP 1995-937821  | 19951023   |
| R: DE, FR, GB  |      |                                      |                 |            |
| BR 9509559   | A    | 19970916                             | BR 1995-9559    | 19951023   |
| US 6074989   | A    | 20000613                             | US 1997-817843  | 19970425   |
| PRIORITY APPLN. INFO.:   |      |                                      | DE 1994-4439332 | A 19941104 |
|  |      |                                      | WO 1995-EP4146  | W 19951023 |
| OTHER SOURCE(S):   |      | CASREACT 125:86635; MARPAT 125:86635 |                 |            |
| GI   |      |                                      |                 |            |



I



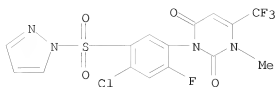
II

AB Title compds. [I; Az = (substituted) azolyl; R1 = H, cyano, halo; R2 = cyano, NO2, halo, (substituted) alkyl, alkoxy; R3 = H, halo, alkyl, haloalkyl; R4 = H, alkyl, haloalkyl; R5 = H, amino, formyl, (substituted) alkyl, alkenyl, alkynyl], were prepared Thus, 2-chloro-4-fluoro-5-(3,6-dihydro-3-methyl-4-trifluoromethyl-2,6-dioxo-1(2H)-pyrimidinyl)benzenesulfonyl chloride and pyrazole were stirred with pyridine in CH2Cl2 to give 62% title compound (II). II preemergent gave 100% control of Chenopodium, Panicum, and Polygonum.

IT 178312-74-8P 178312-75-9P 178312-76-0P  
 178312-77-1P 178312-78-2P 178312-79-3P  
 178312-80-6P 178312-81-7P 178312-82-8P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of pyrimidinylphenylsulfonfylazoles as herbicides)

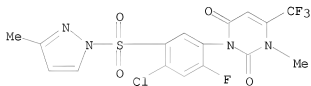
RN 178312-74-8 CAPLUS

CN 1H-Pyrazole, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]- (9CI) (CA INDEX NAME)



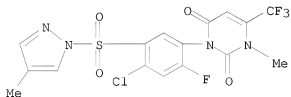
RN 178312-75-9 CAPLUS

CN 1H-Pyrazole, 1-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-3-methyl- (9CI) (CA INDEX NAME)



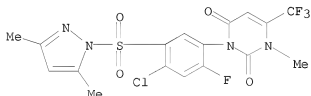
RN 178312-76-0 CAPLUS

CN 1H-Pyrazole, 1-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)



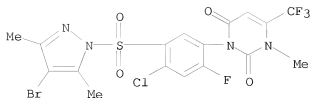
RN 178312-77-1 CAPLUS

CN 1H-Pyrazole, 1-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



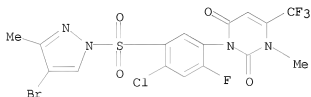
RN 178312-78-2 CAPLUS

CN 1H-Pyrazole, 4-bromo-1-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



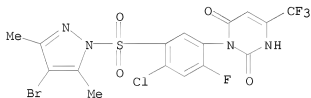
RN 178312-79-3 CAPLUS

CN 1H-Pyrazole, 4-bromo-1-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-3-methyl- (9CI) (CA INDEX NAME)



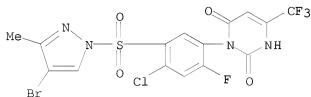
RN 178312-80-6 CAPLUS

CN 1H-Pyrazole, 4-bromo-1-[[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



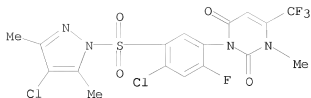
RN 178312-81-7 CAPLUS

CN 1H-Pyrazole, 4-bromo-1-[[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-3-methyl- (9CI) (CA INDEX NAME)



RN 178312-82-8 CAPLUS

CN 1H-Pyrazole, 4-chloro-1-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

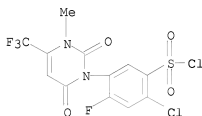


IT 146423-50-9

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of pyrimidinylphenylsulfonfylazoles as herbicides)

RN 146423-50-9 CAPLUS

CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



L3 ANSWER 68 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1996:349669 CAPLUS

DOCUMENT NUMBER: 125:10844

TITLE: Epoxyphenol derivatives and herbicides containing them as active ingredients.

INVENTOR(S): Takano, Minoru; Enomoto, Masayuki; Saito, Kazuo; Kizawa, Satoru

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: Eur. Pat. Appl., 73 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

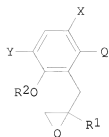
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

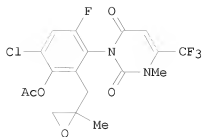
| PATENT NO.                    | KIND   | DATE      | APPLICATION NO. | DATE       |
|-------------------------------|--------|-----------|-----------------|------------|
| EP 705829                     | A1     | 19960410  | EP 1995-113619  | 19950830   |
| R: CH, DE, ES, FR, GB, IT, LI |        |           |                 |            |
| JP 08119966                   | A      | 19960514  | JP 1995-205949  | 19950811   |
| CA 2156652                    | A1     | 19960301  | CA 1995-2156652 | 19950822   |
| BR 9503849                    | A      | 19960917  | BR 1995-3849    | 19950830   |
| US 5714437                    | A      | 19980203  | US 1995-520872  | 19950830   |
| PRIORITY APPLN. INFO.:        |        |           | JP 1994-206834  | A 19940831 |
| OTHER SOURCE(S):              | MARPAT | 125:10844 |                 |            |

GI





I



II

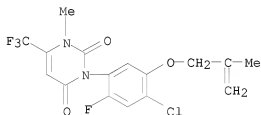
AB Novel compds. I are disclosed [wherein X = H, F, Cl; Y = F, Cl, Br; R1 = H, Cl-3 alkyl; R2 = acyl, (un)substituted phenylalkyl, carboxymethyl, or sulfonyl; Q = various substituted N-containing heterocyclic groups such as tetrahydrophthalimido]. Also disclosed are herbicidal compns. containing I, and methods for their herbicidal use. For example, a corresponding [hydroxy(methylpropenyl)phenyl]pyrimidinedione derivative underwent epoxidn. of the methylpropenyl group with m-ClC6H4C(O)OOH, and O-acetylation of the OH group with Ac2O in pyridine, to give title compound II. Pre- and postemergence application of II at 500 g/ha gave complete control of Abutilon theophrasti, and paddy application at 250 g/ha gave complete control of Echinochloa oryzicola.

IT 159333-12-7

RL: RCT (Reactant); RACT (Reactant or reagent)  
(starting material; preparation of N-heterocyclic epoxyphenol derivs. as herbicides)

RN 159333-12-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 69 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1996:175614 CAPLUS

DOCUMENT NUMBER: 124:232482

TITLE: Preparation of 4-amino-1-phenylhexahydropyrimidine-2,6-diones as herbicides

INVENTOR(S): Drewes, Mark Wilhelm; Andree, Roland; Schallner, Otto; Santel, Hans-Joachim; Dollinger, Markus

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 36 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

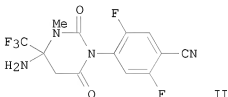
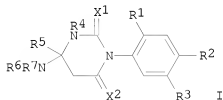
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND  | DATE  | APPLICATION NO. | DATE  |
|------------|-------|-------|-----------------|-------|
| -----      | ----- | ----- | -----           | ----- |

|   |    |          |                  |          |
|---|----|----------|------------------|----------|
| DE 19500118   | A1 | 19951123 | DE 1995-19500118 | 19950104 |
| CA 2190504  | A1 | 19951123 | CA 1995-2190504  | 19950505 |
| WO 9531440  | A1 | 19951123 | WO 1995-EP1700   | 19950505 |
| W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, MX, NO,  |    |          |                  |          |
| NZ, PL, RO, RU, SK, UA, US  |    |          |                  |          |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, |    |          |                  |          |
| BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG              |    |          |                  |          |
| EP 759908   | A1 | 19970305 | EP 1995-919398   | 19950505 |
| EP 759908   | B1 | 20030402 |                  |          |
| R: BE, CH, DE, ES, FR, GB, IT, LI, NL                               |    |          |                  |          |
| CN 1148852  | A  | 19970430 | CN 1995-193126   | 19950505 |
| CN 1105710  | B  | 20030416 |                  |          |
| JP 10500116   | T  | 19980106 | JP 1995-529319   | 19950505 |
| ES 2192202  | T3 | 20031001 | ES 1995-919398   | 19950505 |
| US 5981436  | A  | 19991109 | US 1998-69475    | 19980429 |
| PRIORITY APPLN. INFO.:  |    |          |                  |          |
| MARPAT 124:232482   |    |          |                  |          |
| OTHER SOURCE(S):  |    |          |                  |          |
| GI  |    |          |                  |          |
| DE 1995-EP1700 A 19950505   |    |          |                  |          |

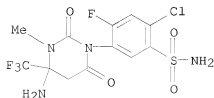


AB Title compds. [I; R1 = H, halo, (halo)alkyl, alkoxy, etc.; R2 = H, halo, (halo)alkyl, alkoxy, CSNH2, etc.; R3 = Z1Z2R; R = H, OH, NH2, NO2, CO2H, halo, alkyl, etc.; R4 = NH2, (halo)alkyl, cycloalkyl; R5 = H, (halo)alkyl; R6 = H, alkyl; R7 = H, alkyl, alkanoyl, alkoxy carbonyl, etc.; X1, X2 = O or S; Z1 = bond, O, S, CO, (alkyl)imino, etc.; Z2 = groups cited for Z1, ak(en)ylene, etc.] were prepared. Thus, title compound II gave 95-100% control of 7 weeds (e.g., 100% control of Abutilon) with no damage to corn at 30g/ha preemergent.

IT 174488-34-7P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 4-amino-1-phenylhexahydropyrimidine-2,6-diones as herbicides)

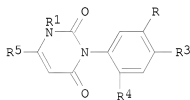
RN 174488-34-7 CAPLUS

CN Benzenesulfonamide, 5-[4-aminotetrahydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2-chloro-4-fluoro- (CA INDEX NAME)



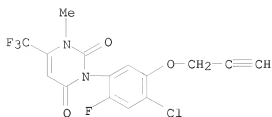
ACCESSION NUMBER: 1996:167589 CAPLUS  
 DOCUMENT NUMBER: 124:202288  
 TITLE: Preparation of 3-(dioxypyrimidino)benzoates and analogs as herbicides  
 INVENTOR(S): Kunz, Walter; Siegrist, Urs; Baumeister, Peter  
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.  
 SOURCE: PCT Int. Appl., 126 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE              | APPLICATION NO. | DATE       |
|---|------|-------------------|-----------------|------------|
| WO 9532952  | A1   | 19951207          | WO 1995-EP1875  | 19950517   |
| W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN |      |                   |                 |            |
| RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG                            |      |                   |                 |            |
| AU 9527348  | A    | 19951221          | AU 1995-27348   | 19950517   |
| ZA 9504324  | A    | 19960125          | ZA 1995-4324    | 19950526   |
| PRIORITY APPLN. INFO.:  |      |                   | CH 1994-1647    | A 19940527 |
|   |      |                   | WO 1995-EP1875  | W 19950517 |
| OTHER SOURCE(S):  |      | MARPAT 124:202288 |                 |            |
| GI  |      |                   |                 |            |



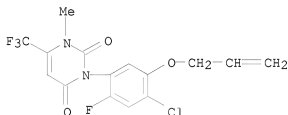
I

AB Title compds. [I; R = (YQ)m(CO)nXR2; Q = (cyclo)alkylene; R1 = alk(en)yl, alkynyl; R2 = (cyclo)alkenyl, haloalkenyl, alkynyl; R3 = H, halo, alkyl, alkoxy, etc.; R4 = H, F, Cl; R5 = (halo)alkyl, alkenyl, alkynyl; X = O, S, alkylimino, etc.; Y = O, S, alkylimino, CO2, etc.; m,n = 0 or 1] were prepared as herbicides (no data). Thus, CF3COCH2CO2Et was amidated by 2,5-Cl(H2N)C6H3CO2CMe2CO2CH2CH:CH2 and the enamine of the product cyclized with COCl2 to give, after N-methylation, I (R = CO2CMe2CO2CH2CH:CH2, R1 = Me, R3 = Cl, R4 = H, R5 = CF3).  
 IT 114168-58-0P 114168-61-5P 141976-58-1P  
 174489-96-4P 174489-97-5P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 3-(dioxypyrimidino)benzoates and analogs as herbicides)  
 RN 114168-58-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



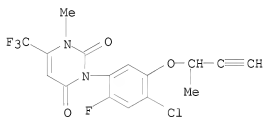
RN 114168-61-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



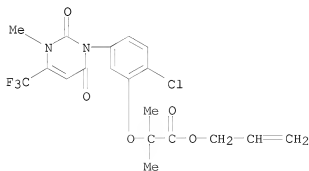
RN 141976-58-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



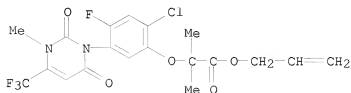
RN 174489-96-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)

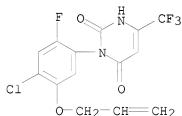


RN 174489-97-5 CAPLUS

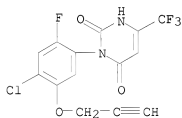
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



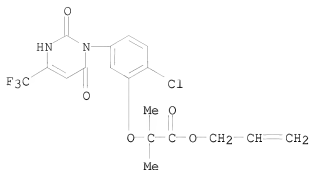
IT 114168-88-6P 114168-89-7P 174489-93-1P  
 174489-94-2P 174489-95-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of 3-(dioxypyrimidino)benzoates and analogs as herbicides)  
 RN 114168-88-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 114168-89-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

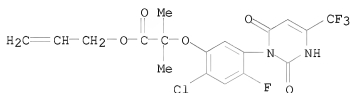


RN 174489-93-1 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



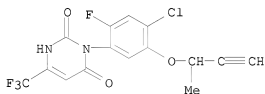
RN 174489-94-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



RN 174489-95-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-2-propenyl)oxy]phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 71 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1996:167583 CAPLUS

DOCUMENT NUMBER: 124:202296

TITLE: Preparation of 6-amino-3-phenylhexahydropyrimidine-2,4-diones as herbicides

INVENTOR(S): Drewes, Mark-Wilhelm; Andree, Roland; Schallner, Otto; Santel, Hans-joachim; Dollinger, Markus

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: PCT Int. Appl., 67 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|--|------|----------|-----------------|----------|
| WO 9531440   | A1   | 19951123 | WO 1995-EPI700  | 19950505 |
| W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, MX, NO, |      |          |                 |          |

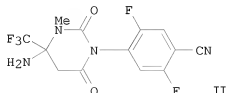
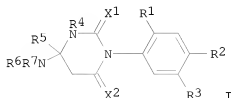
NZ, PL, RO, RU, SK, UA, US  
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,  
 BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

|             |    |          |                  |          |
|-------------|----|----------|------------------|----------|
| DE 19500118 | A1 | 19951123 | DE 1995-19500118 | 19950104 |
| AU 9525253  | A  | 19951205 | AU 1995-25253    | 19950505 |
| EP 759908   | A1 | 19970305 | EP 1995-919398   | 19950505 |
| EP 759908   | B1 | 20030402 |                  |          |

R: BE, CH, DE, ES, FR, GB, IT, LI, NL  
 JP 10500116 T 19980106 JP 1995-529319 19950505  
 DE 1994-4417352 A 19940518  
 DE 1995-19500118 A 19950104  
 WO 1995-EP1700 A 19950505

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 124:202296  
 GI

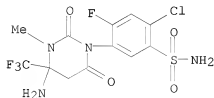


AB Title compds. [I; R1 = H, halo, alkyl, alkoxy, etc.; R2 = H, halo, alkyl, alkoxy, etc.; R3 = Z1Z2R8; R4 = NH2, (cyclo)alkyl, haloalkyl; R5 = H, (halo)alkyl; R6 = h, alkyl; R7 = H, alkyl, alkanoyl, alkoxy carbonyl, etc.; R8 = H, OH, alkyl, aryl, etc.; X1, X2 = O or S; Z1, Z2 = bond, O, SOO-2, (alkyl)imino, alkylene, etc.] were prepared. Thus, F3CC(NH2):CHCO2Et was cyclocondensed with 4-cyano-2,4-difluorophenyl isocyanate and the product aminated by NH3 to give title compound II which gave 95-100% control of 7 weeds (e.g., 100% control of Abutilon) with no damage to corn at 30g/ha preemergent.

IT 174488-34-7P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 6-amino-3-phenylhexahydropyrimidine-2,4-diones as herbicides)

RN 174488-34-7 CAPLUS

CN Benzenesulfonamide, 5-[4-aminotetrahydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2-chloro-4-fluoro- (CA INDEX NAME)

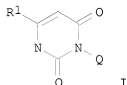


=> d 13 42-61 ibib abs hit3r

L3 ANSWER 42 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:376800 CAPLUS  
 DOCUMENT NUMBER: 134:366896

TITLE: Process for producing 3-phenyluracil compounds  
 INVENTOR(S): Takano, Minoru; Mishima, Hirofumi  
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan  
 SOURCE: Eur. Pat. Appl., 36 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.   | KIND              | DATE     | APPLICATION NO. | DATE       |
|--|-------------------|----------|-----------------|------------|
| EP 1101761   | A2                | 20010523 | EP 2000-124758  | 20001113   |
| EP 1101761   | A3                | 20010718 |                 |            |
| EP 1101761   | B1                | 20050817 |                 |            |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO |                   |          |                 |            |
| US 6339155   | B1                | 20020115 | US 2000-709711  | 20001113   |
| JP 2001322986  | A                 | 20011120 | JP 2000-347767  | 20001115   |
| PRIORITY APPLN. INFO.:   |                   |          | JP 1999-323797  | A 19991115 |
|  |                   |          | JP 2000-63458   | A 20000308 |
| OTHER SOURCE(S):   | MARPAT 134:366896 |          |                 |            |
| GI   |                   |          |                 |            |

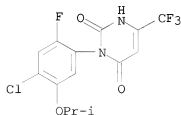


AB The title compds. [I; R1 = perfluoroalkyl; Q = aromatic group] were produced by reacting R1COCH2CONHQ with a cyanate salt in the presence of a protonic acid at 55-150°.

IT 114136-48-0P 114168-89-7P 134562-54-2P  
 340247-06-5P  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (process for producing 3-phenyluracil compds.)

RN 114136-48-0 CAPLUS

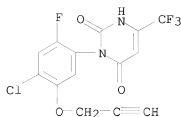
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



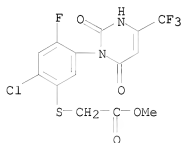
RN 114168-89-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

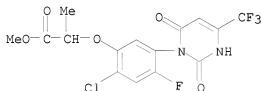




RN 134562-54-2 CAPLUS  
 CN Acetic acid, [[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



RN 340247-06-5 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



L3 ANSWER 43 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:319491 CAPLUS  
 DOCUMENT NUMBER: 134:326542  
 TITLE: Preparation of 6-hydroxy-5,6-dihydrouracils as herbicides  
 INVENTOR(S): Takano, Minoru; Mishima, Hirofumi  
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan  
 SOURCE: Eur. Pat. Appl., 44 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| EP 1095935  | A1   | 20010502 | EP 2000-123362  | 20001030 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO |      |          |                 |          |
| US 6410484  | B1   | 20020625 | US 2000-698211  | 20001030 |
| JP 2001316375   | A    | 20011113 | JP 2000-333016  | 20001031 |

PRIORITY APPLN. INFO.:

JP 1999-310756

A 19991101

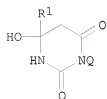
OTHER SOURCE(S):

MARPAT 134:326542

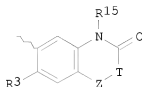
JP 2000-55432

A 20000301

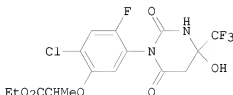
GI



I



II



III

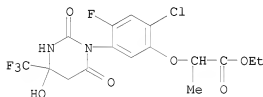
AB 5,6-Dihydrouracil compds. I [R1 = C1-C2 haloalkyl; Q = II (R3 = H, halo; R15 = C3-C6 alkynyl, etc.; Z = O, S, NH; T = direct bond, methylene) and other Q groups], active as herbicides, were prepared E.g., 5,6-dihydrouracil III was prepared by cyclization of the corresponding amide.

IT 335592-87-5P 335592-88-6P 335592-89-7P  
335592-91-1P 335592-93-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 6-hydroxy-5,6-dihydrouracils as herbicides)

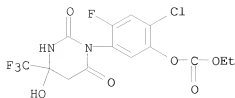
RN 335592-87-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-4-fluoro-5-[tetrahydro-4-hydroxy-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-, ethyl ester (CA INDEX NAME)



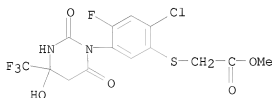
RN 335592-88-6 CAPLUS

CN Carbonic acid, 2-chloro-4-fluoro-5-[tetrahydro-4-hydroxy-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl ethyl ester (CA INDEX NAME)



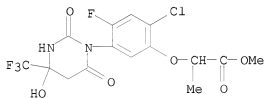
RN 335592-89-7 CAPLUS

CN Acetic acid, [[2-chloro-4-fluoro-5-[tetrahydro-4-hydroxy-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



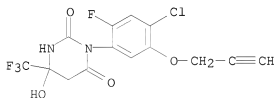
RN 335592-91-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-4-fluoro-5-[tetrahydro-4-hydroxy-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-, methyl ester (CA INDEX NAME)



RN 335592-93-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]dihydro-6-hydroxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 44 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

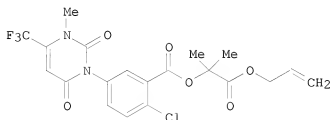
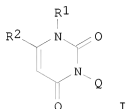
ACCESSION NUMBER: 2001:224400 CAPLUS

DOCUMENT NUMBER: 134:237496

TITLE: Process for the production of 3-aryluracils

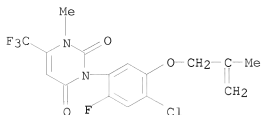
INVENTOR(S): Sting, Andrea Rolf  
 PATENT ASSIGNEE(S): Syngenta Crop Protection, Inc., USA  
 SOURCE: U.S., 19 pp., Cont.-in-part of U.S. Ser. No. 935,778.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE                                   | APPLICATION NO. | DATE        |
|------------------------|------|--|-----------------|-------------|
| US 6207830             | B1   | 20010327                               | US 1999-274146  | 19990322    |
| PRIORITY APPLN. INFO.: |      |  | CH 1996-2321    | A 19960923  |
|                        |      |  | US 1997-935778  | A2 19970923 |
| OTHER SOURCE(S):       |      | CASREACT 134:237496; MARPAT 134:237496 |                 |             |
| GI                     |      |  |                 |             |



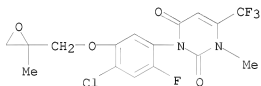
- AB Aryl- or heteroaryluracils (I) [wherein R1 = Me or Et; R2 = CF3, ClF2, CCl2F, C2F5; Q = an (un)substituted (hetero)aryl group], useful as herbicides, were prepared with substantially increased yields over previous methods by cycloaddn. of isocyanates and enamines in a narrowly restricted temperature ranges, preferably -5°C to +50°C, in the presence of inert solvents, preferably DMF or DMSO, and 0.1 to 0.3 equiv of selected bases, preferably t-BuOK or t-BuCH2OK. Thus, heating 3-methylamino-4,4,4-trifluorobut-2-enoic acid Et ester in a suspension of DMF and 1 g t-BuOK to 40 to 45°C for 30 min, followed by cooling to 0°C and addition of 5-isocyanato-2-chlorobenzoic acid 1-allyloxycarbonyl-1-methylethyl ester, adjustment of the pH to 7 with 1M HCl, and workup, afforded the uracil II in 86.3% yield.
- IT 159333-12-7P, 3-(5-Methallyloxy-4-chloro-2-fluorophenyl)-1-methyl-6-trifluoromethyl-1H-pyrimidine-2,4-dione 205188-63-2P, 3-[4-Chloro-2-fluoro-5-(2-methoxy-1-allyloxycarbonyl)phenyl]-1-methyl-6-trifluoromethyl-1H-pyrimidine-2,4-dione  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (process for production of 3-aryluracils by cycloaddn. of isocyanates with enamines in suspensions of inert solvents and selected bases in narrowly restricted temperature ranges)
- RN 159333-12-7 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2-

propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 205188-63-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyloxiranyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 45 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:172793 CAPLUS

DOCUMENT NUMBER: 134:207825

TITLE: Preparation of phenyluracils and their use as herbicides

INVENTOR(S): Enomoto, Masayuki; Goto, Tomohiko

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

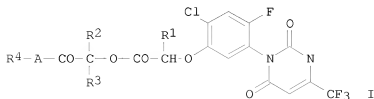
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

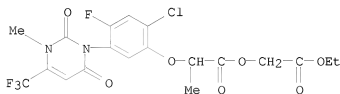
PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE       | APPLICATION NO. | DATE     |
|------------------------|--------|------------|-----------------|----------|
| JP 2001064266          | A      | 20010313   | JP 1999-236976  | 19990824 |
| PRIORITY APPLN. INFO.: |        |            | JP 1999-236976  | 19990824 |
| OTHER SOURCE(S):       | MARPAT | 134:207825 |                 |          |

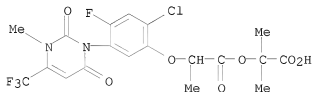
GI



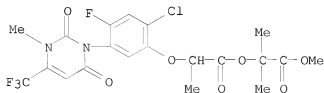
- AB Phenyluracils I (R1 = H, Me; R2 = H, C1-3 alkyl, C1-3 alkoxy; R3 = H, C1-3 alkyl; R4 = H, C1-6 alkyl, C3-6 alkenyl, C3-6 alkynyl; A = O, NH) are prepared Thus, 2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propionic acid was refluxed with SOCl2 in dioxane, concentrated, and treated with Et glycolate in the presence of pyridine and dioxane at room temperature for 1.5 h to give I (R1 = Me, R2 = R3 = H, R4 = Et, A = O), which at 125 g/ha showed 100% postemergence herbicidal activity.
- IT 329039-18-1P 329039-19-2P 329039-20-5P  
329039-21-6P 329039-22-7P 329039-23-8P  
329039-24-9P 329039-25-0P 329039-26-1P  
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenyluracils as herbicides)
- RN 329039-18-1 CAPLUS
- CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-ethoxy-2-oxoethyl ester (CA INDEX NAME)



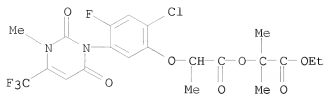
- RN 329039-19-2 CAPLUS
- CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl- (CA INDEX NAME)



- RN 329039-20-5 CAPLUS
- CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, methyl ester (CA INDEX NAME)

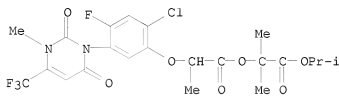


- RN 329039-21-6 CAPLUS
- CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, ethyl ester (CA INDEX NAME)



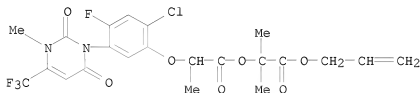
RN 329039-22-7 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, 1-methylethyl ester (CA INDEX NAME)



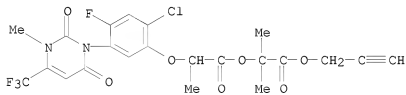
RN 329039-23-8 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



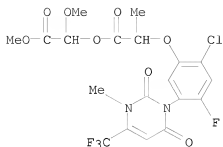
RN 329039-24-9 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, 2-propynyl ester (9CI) (CA INDEX NAME)



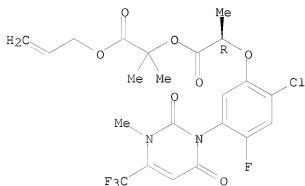
RN 329039-25-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,2-dimethoxy-2-oxoethyl ester (CA INDEX NAME)



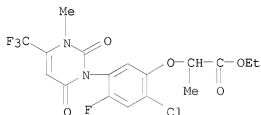
RN 329039-26-1 CAPLUS  
 CN Propanoic acid, 2-[(2R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 114169-04-9 326851-98-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of phenyluracils as herbicides)

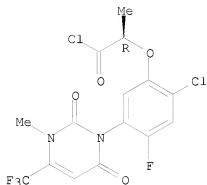
RN 114169-04-9 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



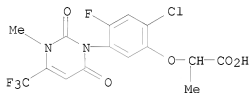
RN 326851-98-3 CAPLUS  
 CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.





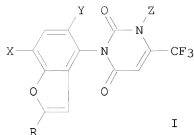
IT 303030-46-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of phenyluracils as herbicides)  
 RN 303030-46-8 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



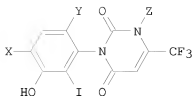
L3 ANSWER 46 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:161344 CAPLUS  
 DOCUMENT NUMBER: 134:207823  
 TITLE: Synthesis and use of herbicidal benzofuranyl derived  
 uracils  
 INVENTOR(S): Theodoridis, George; Crawford, Scott D.  
 PATENT ASSIGNEE(S): USA  
 SOURCE: Statutory Invent. Regist., 5 pp.  
 CODEN: SRXXEV  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO.   | DATE     |
|------------------------|------|----------|-------------------|----------|
| US 1951                | H1   | 20010306 | US 1999-469821    | 19991222 |
| PRIORITY APPLN. INFO.: |      |          | US 1999-469821    | 19991222 |
| OTHER SOURCE(S):       |      |          | MARPAT 134:207823 |          |

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I



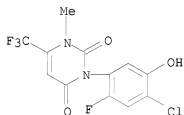
II

AB Comps. of formula I are claimed [wherein; R is (F, OH, alkoxy, CN, COO, alkylcarbonyloxy, alkylsulfonfylamino, 1,3-dioxolan-2-yl or 1,3-oxazolin-2-yl)alkyl; X is halo, CN, NO<sub>2</sub> or trihaloalkyl; Y is H or halo; Z is H, alkyl, cyanoalkyl, alkenyl, alkynyl, amino, alkoxyalkyl or alkylcarbonyloxyalkyl with the proviso that when Z is Me or amino R is not hydroxyalkyl, alkoxyalkyl or alkylcarbonyloxyalkyl]. Also claimed are precursors II [wherein; X, Y and Z are as previously described with no proviso for Z]. I (R is CH<sub>2</sub>F, X is Cl, Y is F and Z is Me; III) was prepared by coupling/cyclization of the corresponding pyrimidinedione II, with 2-propynol. The hydroxymethyl intermediate was converted to I using diethylaminosulfur trifluoride. Comps. of formula I (in a composition containing one or more comps.) exhibited pre- and post-emergent herbicidal activity, expressed as percent control vs. untreated plants, when applied to soy, wheat, corn, velvetleaf, etc. at 0.001 to 3 kg/ha. III at a dose of 0.10 kg/ha post-emergence gave 100% control of 5 out of 6 standard weeds with only 70% damage to wheat.

IT 114136-60-6P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (herbicidal benzofuranyl derived uracils and production thereof)

RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

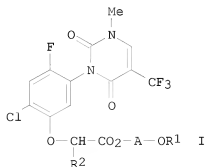


L3 ANSWER 47 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:143655 CAPLUS  
 DOCUMENT NUMBER: 134:178570  
 TITLE: Preparation of phenyluracils and their use as herbicides  
 INVENTOR(S): Goto, Tomohiko  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 55 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.                                 | KIND              | DATE     | APPLICATION NO. | DATE     |
|--|-------------------|----------|-----------------|----------|
| JP 2001055382                              | A                 | 20010227 | JP 1999-231415  | 19990818 |
| PRIORITY APPLN. INFO.:<br>OTHER SOURCE(S): | MARPAT 134:178570 |          | JP 1999-231415  | 19990818 |

GI



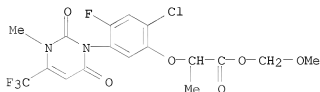
AB Title compds. I (R1 = H, C1-6 alkyl, C1-6 haloalkyl, C2-6 alkenyl, C3-6 haloalkenyl, C3-6 alkynyl, etc.; R2 = H, Me; A = (un)substituted C2-5 alkylene, C1-5 alkylidene) are prepared 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propionic acid (0.5 g) was condensed with chloromethyl Me ether in the presence of K2CO3 in DMF at room temperature for 9 h to give 0.05 g I (A = CH2, R1 = R2 = Me) showing good inhibitory activity against growth of weed.

IT 326851-95-0P 326851-96-1P 326851-97-2P  
326851-99-4P 326852-00-0P 326852-01-1P  
326852-02-2P 326852-03-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenyluracils and their use as herbicides)

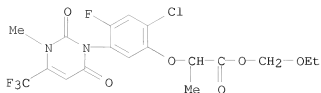
RN 326851-95-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methoxymethyl ester (CA INDEX NAME)



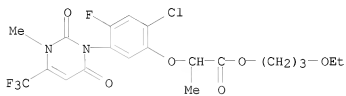
RN 326851-96-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethoxymethyl ester (CA INDEX NAME)



RN 326851-97-2 CAPLUS

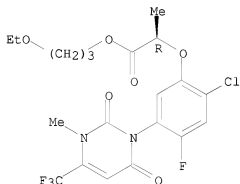
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 3-ethoxypropyl ester (CA INDEX NAME)



RN 326851-99-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 3-ethoxypropyl ester, (2R)- (CA INDEX NAME)

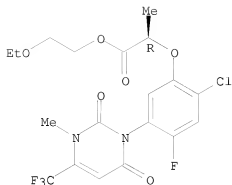
Absolute stereochemistry.



RN 326852-00-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-ethoxyethyl ester, (2R)- (CA INDEX NAME)

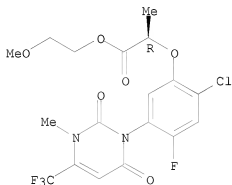
Absolute stereochemistry.



RN 326852-01-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methoxyethyl ester, (2R)- (CA INDEX NAME)

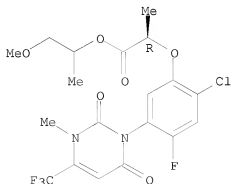
Absolute stereochemistry.



RN 326852-02-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methoxy-1-methylethyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

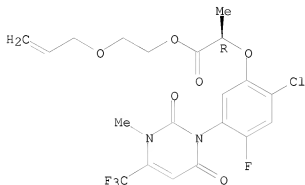


RN 326852-03-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-,  
2-(2-propenyloxy)ethyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

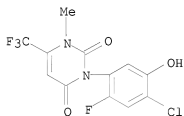


IT 114136-60-6 114169-04-9 280762-82-5  
280762-83-6

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of phenyluracils and their use as herbicides)

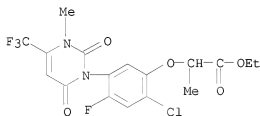
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-  
6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-04-9 CAPLUS

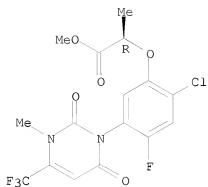
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(  
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA  
INDEX NAME)



RN 280762-82-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(  
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester,  
(2R)- (CA INDEX NAME)

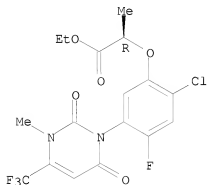
Absolute stereochemistry. Rotation (+).



RN 280762-83-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 280762-88-1P 303030-46-8P 326851-98-3P

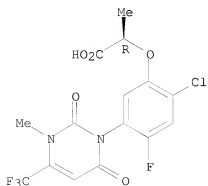
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of phenyluracils and their use as herbicides)

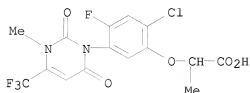
RN 280762-88-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

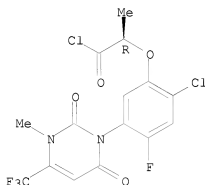


RN 303030-46-8 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 326851-98-3 CAPLUS  
 CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 48 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:50630 CAPLUS

DOCUMENT NUMBER: 134:100884

TITLE: Preparation and effect of uracil compounds as herbicides

INVENTOR(S): Shuto, Akira

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 99 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.    | KIND   | DATE     | APPLICATION NO. | DATE     |
|---------------|--|----------|-----------------|----------|
| WO 2001004101 | A1   | 20010118 | WO 2000-JP4163  | 20000623 |
| W:            | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |          |                 |          |
| RW:           | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  |          |                 |          |

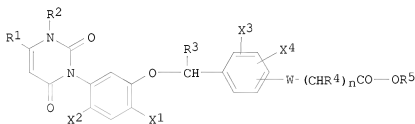


CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

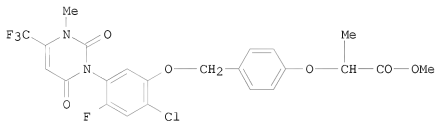
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| JP 2001072668          | A  | 20010321 | JP 2000-83966  | 20000324   |
| AU 2000055692          | A  | 20010130 | AU 2000-55692  | 20000623   |
| US 6664214             | B1 | 20031216 | US 2002-19950  | 20020107   |
| PRIORITY APPLN. INFO.: |    |          | JP 1999-193361 | A 19990707 |
|                        |    |          | JP 2000-83966  | A 20000324 |
|                        |    |          | WO 2000-JP4163 | W 20000623 |

OTHER SOURCE(S): MARPAT 134:100884

GI



I



II

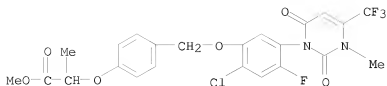
AB Title Uracil compds. [I; wherein W is oxygen or sulfur; R1 and R2 are each (halo)alkyl; R3 is hydrogen, (halo)alkyl, Ph, or cyano; R4 is hydrogen or alkyl; R5 is (halo)alkyl, (halo)alkenyl, or (halo)alkynyl; X1 is halogeno; X2 is hydrogen or halogeno; X3 and X4 are each independently hydrogen, halogeno, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, alkoxyalkyl, (halo)alkoxy, or cyano; and n is an integer of 1 to 4] are prepared and are useful as herbicides. Thus, the title compound II was prepared and tested in field.

IT 319497-51-3P 319497-52-4P 319497-53-5P  
 319497-54-6P 319497-55-7P 319497-56-8P  
 319497-57-9P 319497-58-0P 319497-59-1P  
 319497-60-4P 319497-61-5P 319497-62-6P  
 319497-63-7P 319497-64-8P 319497-65-9P  
 319497-66-0P 319497-67-1P 319497-68-2P  
 319497-69-3P 319497-70-6P 319497-71-7P  
 319497-72-8P 319497-74-0P 319497-75-1P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and effect of uracil compds. as herbicides)

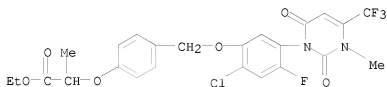
RN 319497-51-3 CAPLUS

CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, methyl ester (CA INDEX NAME)



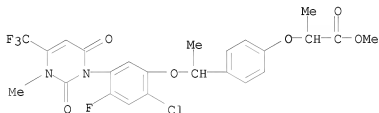
RN 319497-52-4 CAPLUS

CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, ethyl ester (CA INDEX NAME)



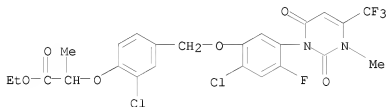
RN 319497-53-5 CAPLUS

CN Propanoic acid, 2-[4-[1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]phenoxy]-, methyl ester (CA INDEX NAME)



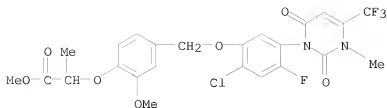
RN 319497-54-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, ethyl ester (CA INDEX NAME)



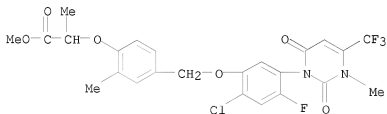
RN 319497-55-7 CAPLUS

CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-2-methoxyphenoxy]-, methyl ester (CA INDEX NAME)



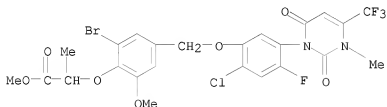
RN 319497-56-8 CAPLUS

CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-2-methylphenoxy]-, methyl ester (CA INDEX NAME)



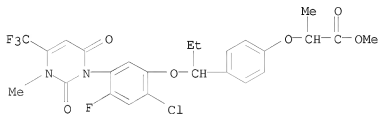
RN 319497-57-9 CAPLUS

CN Propanoic acid, 2-[4-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-6-methoxyphenoxy]-, methyl ester (CA INDEX NAME)



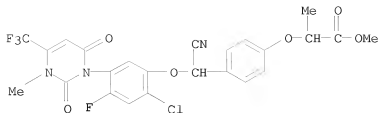
RN 319497-58-0 CAPLUS

CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]propyl]phenoxy]-, methyl ester (CA INDEX NAME)

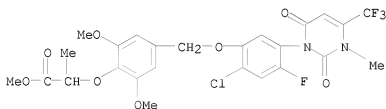


RN 319497-59-1 CAPLUS

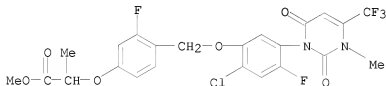
CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]cyanomethyl]phenoxy]-, methyl ester (CA INDEX NAME)



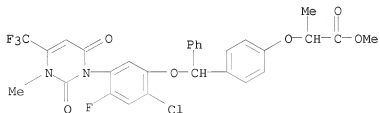
RN 319497-60-4 CAPLUS  
 CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-2,6-dimethoxyphenoxy]-, methyl ester (CA INDEX NAME)



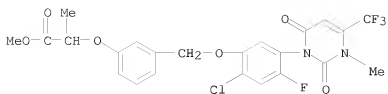
RN 319497-61-5 CAPLUS  
 CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-3-fluorophenoxy]-, methyl ester (CA INDEX NAME)



RN 319497-62-6 CAPLUS  
 CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenylmethyl]phenoxy]-, methyl ester (CA INDEX NAME)

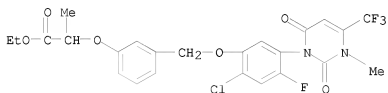


RN 319497-63-7 CAPLUS  
 CN Propanoic acid, 2-[3-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, methyl ester (CA INDEX NAME)



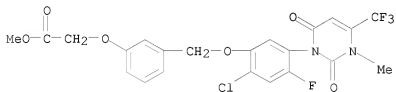
RN 319497-64-8 CAPLUS

CN Propanoic acid, 2-[[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, ethyl ester (CA INDEX NAME)



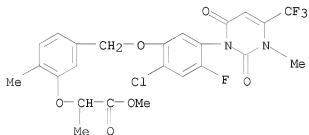
RN 319497-65-9 CAPLUS

CN Acetic acid, [3-[[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



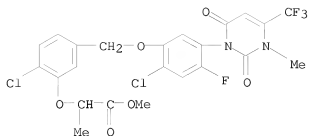
RN 319497-66-0 CAPLUS

CN Propanoic acid, 2-[5-[[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-2-methylphenoxy]-, methyl ester (CA INDEX NAME)



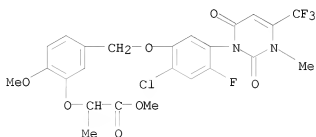
RN 319497-67-1 CAPLUS

CN Propanoic acid, 2-chloro-5-[[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, methyl ester (CA INDEX NAME)



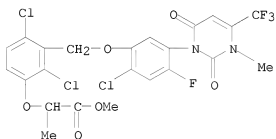
RN 319497-68-2 CAPLUS

CN Propanoic acid, 2-[5-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-2-methoxyphenoxy]-, methyl ester (CA INDEX NAME)



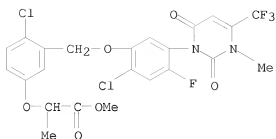
RN 319497-69-3 CAPLUS

CN Propanoic acid, 2-[4-dichloro-3-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, methyl ester (CA INDEX NAME)



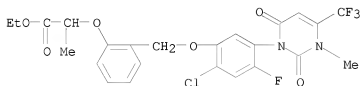
RN 319497-70-6 CAPLUS

CN Propanoic acid, 2-[4-chloro-3-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, methyl ester (CA INDEX NAME)



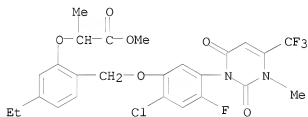
RN 319497-71-7 CAPLUS

CN Propanoic acid, 2-[2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, ethyl ester (CA INDEX NAME)



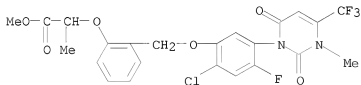
RN 319497-72-8 CAPLUS

CN Propanoic acid, 2-[2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-5-ethylphenoxy]-, methyl ester (CA INDEX NAME)



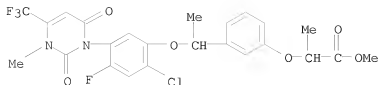
RN 319497-74-0 CAPLUS

CN Propanoic acid, 2-[2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]phenoxy]-, methyl ester (CA INDEX NAME)

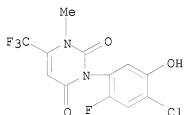


RN 319497-75-1 CAPLUS

CN Propanoic acid, 2-[3-[1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]phenoxy]-, methyl ester (CA INDEX NAME)



IT 114136-60-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation and effect of uracil compds. as herbicides)  
 RN 114136-60-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-  
 6-(trifluoromethyl)- (CA INDEX NAME)

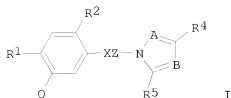


REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

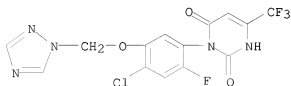
L3 ANSWER 49 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:900269 CAPLUS  
 DOCUMENT NUMBER: 134:42133  
 TITLE: Preparation of substituted triazoles, imidazoles, and  
 pyrazoles as herbicides.  
 INVENTOR(S): Jacobson, Richard Martin; Mulvihill, Mark Joseph; Liu,  
 Changling; Liu, Xiaonan  
 PATENT ASSIGNEE(S): Rohm and Haas Company, USA  
 SOURCE: Eur. Pat. Appl., 70 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.   | KIND             | DATE     | APPLICATION NO. | DATE       |
|--|------------------|----------|-----------------|------------|
| EP 1061075   | A2               | 20001220 | EP 2000-304787  | 20000606   |
| EP 1061075   | A3               | 20010117 |                 |            |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO |                  |          |                 |            |
| BR 2000002759  | A                | 20010130 | BR 2000-2759    | 20000613   |
| US 6258751   | B1               | 20010710 | US 2000-593096  | 20000613   |
| MX 2000PA05813   | A                | 20020312 | MX 2000-PA5813  | 20000613   |
| JP 2001031678  | A                | 20010206 | JP 2000-177802  | 20000614   |
| PRIORITY APPLN. INFO.:   |                  |          | US 1999-139152P | P 19990614 |
| OTHER SOURCE(S):   | MARPAT 134:42133 |          |                 |            |
| GI   |                  |          |                 |            |

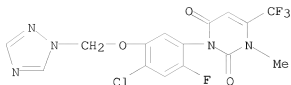




- AB Title compds. [I; R1 = H, F, Br, Cl, NO2, cyano; R2 = F, Cl, Br, H, cyano; R3 = H, cyano, (substituted) alkyl, alkenyl, alkynyl, haloalkyl, cycloalkyl, cycloalkenyl, haloalkenyl, haloalkynyl, alkoxy, alkylthio, alkylsulfonylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, etc.; R4, R5 = H, halo, cyano, (substituted) alkyl, cycloalkyl, haloalkyl, alkoxy, alkylthio, alkylsulfonylalkyl, alkylsulfinylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, etc.; Q = NR7CO2R8, 4,5,6,7-tetrahydropthalimid-2-yl, 5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyridin-3(2H)-one-1-yl, etc.; Z = O, CHR3, CO, CS, CONR12, CSNR12; X = O, S, NR12, CO2, OCHR6CO2, etc.; R6 = H, (substituted) alkyl, cycloalkyl, alkoxy, alkylthio, aryl, aralkyl, etc.; R7 = H, (substituted) alkyl, alkenyl, alkynyl, haloalkyl, cycloalkyl, alkylsulfonylalkyl, etc.; R8 = (substituted) alkyl, haloalkyl, cycloalkyl, cycloalkenyl, alkylsulfonylalkyl, aryl, aralkyl, etc.; R10 = H, halo, NH2, (substituted) alkyl, alkylsulfonylalkyl, alkylsulfinylalkyl, haloalkyl, cyano, alkoxy, carbonyl, triazolylmethyl, etc.; R12 = H, alkyl, CO2R6, OR6, SR6, SO2R6, NR6R13, etc.; R13 = H, alkyl, aryl, aralkyl; A = N, CH; B = N, CR10], were prepared. Thus, 2-(4-chloro-2-fluoro-5-ethoxycarbonylmethoxyphenyl)-4,5,6,7-tetrahydro-2H-isoindole-1,3-dione was stirred with KOH in EtOH followed by evaporation to dryness and reflux with SOCl2 in CHCl3 followed by filtration of KCl and evaporation of the filtrate to dryness. The residue was stirred with 1-hydroxymethyl-1,2,4-triazole in CHCl3 to give 2-[4-chloro-2-fluoro-5-[(1,2,4-triazolylmethoxy)carbonylmethoxy]phenyl]-4,5,6,7-tetrahydro-2H-isoindole-1,3-dione. The latter at 150 g/ha postemergent gave total control of *Solanum nigrum* and *Abutilon theophrasti*.
- IT 313046-22-9P 313046-23-0P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of substituted triazoles, imidazoles, and pyrazoles as herbicides)
- RN 313046-22-9 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-1,2,4-triazol-1-ylmethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



- RN 313046-23-0 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-1,2,4-triazol-1-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



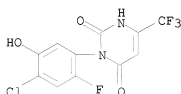
IT 114136-62-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of substituted triazoles, imidazoles, and pyrazoles as herbicides)

RN 114136-62-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 50 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:880911 CAPLUS

DOCUMENT NUMBER: 134:26516

TITLE: Herbicide composition

INVENTOR(S): Mito, Nobuaki

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2000074487   | A1   | 20001214 | WO 2000-JP3460  | 20000529 |
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| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| JP 2000351703   | A    | 20001219 | JP 1999-159560  | 19990607 |
| CA 2374163  | A1   | 20001214 | CA 2000-2374163 | 20000529 |
| BR 2000011391   | A    | 20020305 | BR 2000-11391   | 20000529 |
| EP 1183949  | A1   | 20020306 | EP 2000-929911  | 20000529 |
| EP 1183949  | B1   | 20030903 |                 |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO   |      |          |                 |          |
| AT 248512   | T    | 20030915 | AT 2000-929911  | 20000529 |
| ES 2204600  | T3   | 20040501 | ES 2000-929911  | 20000529 |

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|------------------------|----|----------|----------------|------------|
| US 6576592             | B1 | 20030610 | US 2001-980861 | 20011207   |
| PRIORITY APPLN. INFO.: |    |          | JP 1999-159560 | A 19990607 |
|                        |    |          | WO 2000-JP3460 | W 20000529 |

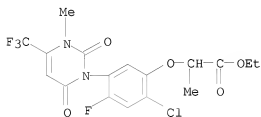
AB A wide-spectrum herbicide composition (I) contains as active ingredients of an ester of 2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydro pyrimidin-1-yl]phenoxy]propionic acid, and glyphosate or a salt thereof. This herbicidal composition has synergistic effect as compared with the individual active ingredient. It is useful to control weed, especially weed in corn fields. Control of the *Cyperus esculentus* with I was shown.

IT 114169-04-9P 280762-87-0P 303030-46-8DP, ester  
 311810-43-2P 311810-44-3P 311810-45-4P  
 311810-46-5P 311810-47-6P 311810-48-7P  
 311810-49-8P 311810-50-1P 311810-51-2P  
 311810-52-3P 311810-53-4P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (herbicide composition)

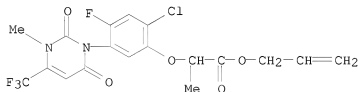
RN 114169-04-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



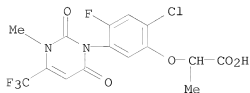
RN 280762-87-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



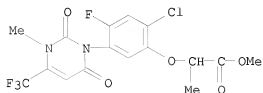
RN 303030-46-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



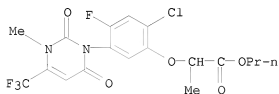
RN 311810-43-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



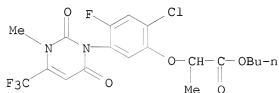
RN 311810-44-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester (CA INDEX NAME)



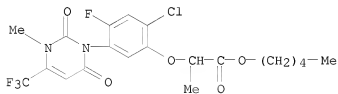
RN 311810-45-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester (CA INDEX NAME)



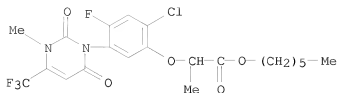
RN 311810-46-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester (CA INDEX NAME)



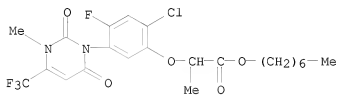
RN 311810-47-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, hexyl ester (CA INDEX NAME)



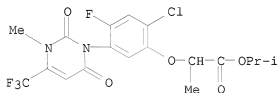
RN 311810-48-7 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester (CA INDEX NAME)



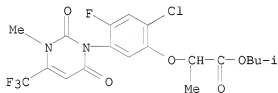
RN 311810-49-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester (CA INDEX NAME)



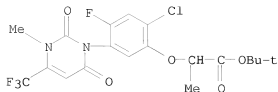
RN 311810-50-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester (CA INDEX NAME)

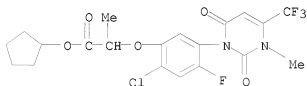


RN 311810-51-2 CAPLUS

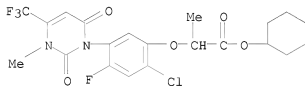
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 311810-52-3 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclopentyl ester  
 (CA INDEX NAME)



RN 311810-53-4 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester  
 (CA INDEX NAME)

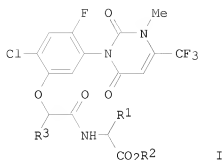


REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 51 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:761960 CAPLUS  
 DOCUMENT NUMBER: 133:318531  
 TITLE: Phenyluracil compounds and herbicides containing them  
 INVENTOR(S): Sanemitsu, Yuzuru  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE       | APPLICATION NO. | DATE     |
|------------------------|--------|------------|-----------------|----------|
| JP 2000302764          | A      | 20001031   | JP 1999-118002  | 19990426 |
| PRIORITY APPLN. INFO.: |        |            | JP 1999-118002  | 19990426 |
| OTHER SOURCE(S):       | MARPAT | 133:318531 |                 |          |

GI



AB The compds. I [R1 = H, C1-6 alkyl which may be substituted with C1-3 alkoxy, C1-3 alkylthio, C2-4 alkoxy carbonyl, (un)substituted phenyl; R2 = C1-6 alkyl, C3-6 alkenyl, C3-6 alkynyl; R3 = H, Me] and herbicides containing I are claimed. An emulsion of I (R1 = CH2CHMe2, R2 = R3 = Me) (preparation given) showed excellent herbicidal activity against Xanthium strumarium.

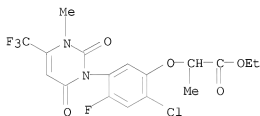
IT 114169-04-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(in preparation of phenyluracil compds. as herbicides)

RN 114169-04-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



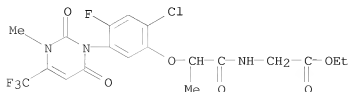
IT 303030-48-0P 303030-49-1P 303030-50-4P

303030-51-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenyluracil compds. as herbicides)

RN 303030-48-0 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-, ethyl ester (CA INDEX NAME)

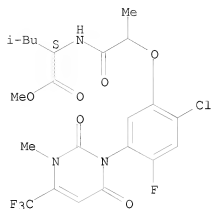


RN 303030-49-1 CAPLUS

CN L-Leucine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-,

methyl ester (CA INDEX NAME)

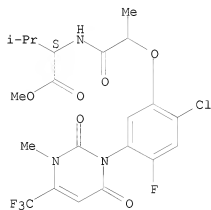
Absolute stereochemistry.



RN 303030-50-4 CAPLUS

CN L-Valine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

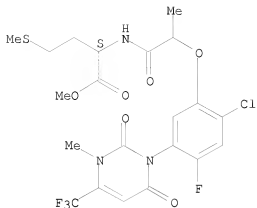


RN 303030-51-5 CAPLUS

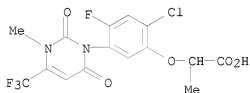
CN L-Methionine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.





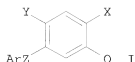
IT 303030-46-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of phenyluracil compds. as herbicides)  
 RN 303030-46-8 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



L3 ANSWER 52 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:658481 CAPLUS  
 DOCUMENT NUMBER: 133:238025  
 TITLE: Preparation of azinyl phenyl ethers as herbicides and plant desiccants.  
 INVENTOR(S): Pulman, David A.; Ying, Bai-Ping; Wu, Shao-Yong; Gupta, Sandeep; Tsukamoto, Masamitsu; Haga, Takahiro  
 PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan  
 SOURCE: U.S., 47 pp., Cont.-in-part of U.S. Ser. No. 151,306. CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE        |
|------------------------|------|----------|-----------------|-------------|
| US 6121201             | A    | 20000919 | US 1998-159233  | 19980923    |
| US 6303543             | B1   | 20011016 | US 2000-570911  | 20000515    |
| PRIORITY APPLN. INFO.: |      |          | US 1998-151306  | A2 19980911 |
|                        |      |          | US 1998-159233  | A3 19980923 |

OTHER SOURCE(S): MARPAT 133:238025  
 GI

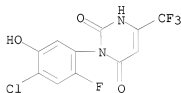


AB Title compds. [I; X, Y = H, halo, cyano, NO<sub>2</sub>, haloalkyl; Z = O, S; Q = (substituted) pyrazolyl, imidazolyl, triazolyl, tetrazolyl, pyridazinyl, etc.; Ar = (substituted) aryl, heteroaryl], were prepared Thus, 4-chloro-3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-5-trifluoromethyl-1H-pyrazole, 2-chloro-4,6-dimethoxytriazine, and K<sub>2</sub>CO<sub>3</sub> were stirred 2 h in DMF at 90° to give 81.6% 4-chloro-3-[4-chloro-2-fluoro-5-(4,6-dimethoxy-2-triazinyloxy)phenyl]-1-methyl-5-trifluoromethyl-1H-pyrazole. Numerous I at 125-500 g/ha preemergent gave 100% control of *Amaranthus retroflexus*, *Abutilon theophrasti*, etc.

IT 114136-62-8  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of azinyl Ph ethers as herbicides and plant desiccants)

RN 114136-62-8 CAPLUS

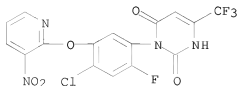
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



IT 213676-09-6P 213676-11-0P 213676-12-1P  
213676-13-2P 213676-14-3P 213676-16-5P  
213676-18-7P 213676-20-1P 213676-22-3P  
213676-23-4P 213676-24-5P 213676-25-6P  
213676-26-7P 213676-28-9P 213676-29-0P  
213676-31-4P 213676-32-5P 213676-33-6P  
213676-35-8P 213676-36-9P 213676-37-0P  
213676-39-2P 213676-40-5P 213676-42-7P  
213676-44-9P 213676-45-0P 213676-46-1P  
213676-47-2P 213676-48-3P 213676-49-4P  
213676-50-7P 213676-51-8P 213676-52-9P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of azinyl Ph ethers as herbicides and plant desiccants)

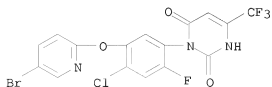
RN 213676-09-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



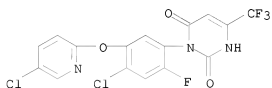
RN 213676-11-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[(5-bromo-2-pyridinyl)oxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



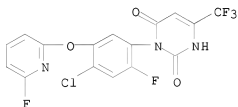
RN 213676-12-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



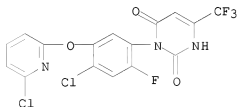
RN 213676-13-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(6-fluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



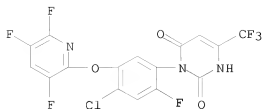
RN 213676-14-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(6-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



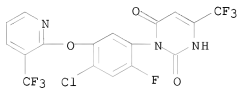
RN 213676-16-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3,5,6-trifluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



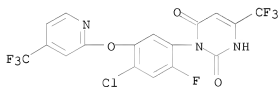
RN 213676-18-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[3-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



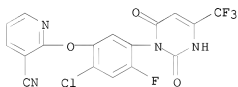
RN 213676-20-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[4-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



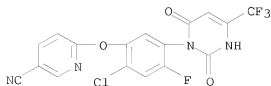
RN 213676-22-3 CAPLUS

CN 3-Pyridinecarbonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)

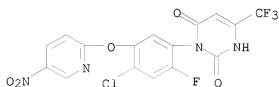


RN 213676-23-4 CAPLUS

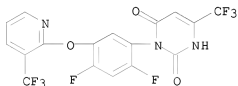
CN 3-Pyridinecarbonitrile, 6-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



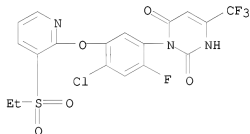
RN 213676-24-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



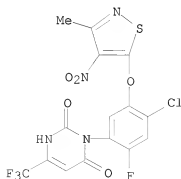
RN 213676-25-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-[[3-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



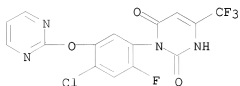
RN 213676-26-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[3-(ethylsulfonyl)-2-pyridinyl]oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



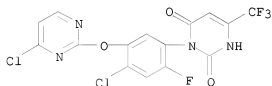
RN 213676-28-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-methyl-4-nitro-5-isothiazolyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



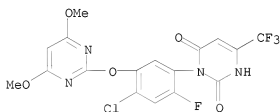
RN 213676-29-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-pyrimidinylloxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



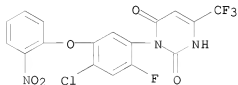
RN 213676-31-4 CAPLUS  
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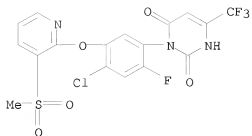
RN 213676-32-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



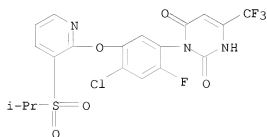
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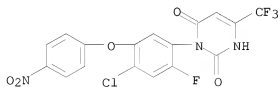
RN 213676-35-8 CAPLUS  
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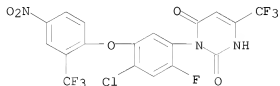
RN 213676-36-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methylethyl)sulfonyl]-2-pyridinyloxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



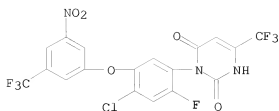
RN 213676-37-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-39-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[4-nitro-2-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

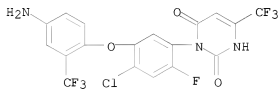


RN 213676-40-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-nitro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



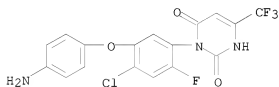
RN 213676-42-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[4-amino-2-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



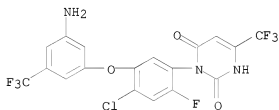
RN 213676-44-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(4-aminophenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-45-0 CAPLUS

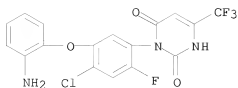
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[3-amino-5-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-46-1 CAPLUS

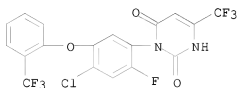
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)





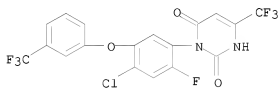
RN 213676-47-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



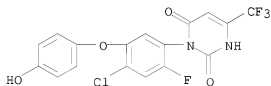
RN 213676-48-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



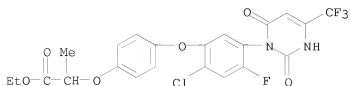
RN 213676-49-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-hydroxyphenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

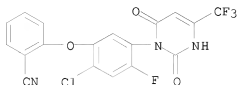


RN 213676-50-7 CAPLUS

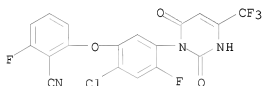
CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



RN 213676-51-8 CAPLUS  
 CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-  
 1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 213676-52-9 CAPLUS  
 CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-  
 1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro- (CA INDEX NAME)



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 53 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:457418 CAPLUS  
 DOCUMENT NUMBER: 133:89538  
 TITLE: Preparation of (dioxypyrimidinophenoxy)propionate  
 enantiomers as herbicides  
 INVENTOR(S): Sanemitsu, Yuzuru  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Ger. Offen., 14 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.    | KIND | DATE     | APPLICATION NO.  | DATE     |
|---------------|------|----------|------------------|----------|
| DE 19962506   | A1   | 20000706 | DE 1999-19962506 | 19991223 |
| ZA 9907675    | A    | 20000627 | ZA 1999-7675     | 19991214 |
| AU 9965260    | A1   | 20000629 | AU 1999-65260    | 19991215 |
| ES 2166681    | A1   | 20020416 | ES 1999-2789     | 19991220 |
| ES 2166681    | B1   | 20030616 |                  |          |
| CA 2293018    | A1   | 20000625 | CA 1999-2293018  | 19991221 |
| GB 2345059    | A    | 20000628 | GB 1999-30203    | 19991221 |
| GB 2345059    | B    | 20010214 |                  |          |
| JP 2000319264 | A    | 20001121 | JP 1999-362407   | 19991221 |
| IT 99T01139   | A1   | 20010622 | IT 1999-T01139   | 19991222 |
| IT 1308681    | B1   | 20020109 |                  |          |
| FR 2787788    | A1   | 20000630 | FR 1999-16372    | 19991223 |
| FR 2787788    | B1   | 20020101 |                  |          |
| KR 2000052557 | A    | 20000825 | KR 1999-61118    | 19991223 |
| BR 9905971    | A    | 20000829 | BR 1999-5971     | 19991223 |
| CN 1270167    | A    | 20001018 | CN 1999-127774   | 19991223 |
| US 6391826    | B1   | 20020521 | US 1999-471245   | 19991223 |

|                        |    |          |                |             |
|------------------------|----|----------|----------------|-------------|
| AU 2004205224          | A1 | 20040923 | AU 2004-205224 | 20040825    |
| PRIORITY APPLN. INFO.: |    |          | JP 1998-370828 | A 19981225  |
|                        |    |          | JP 1999-55560  | A 19990303  |
|                        |    |          | AU 1999-65260  | A3 19991215 |

OTHER SOURCE(S): MARPAT 133:89538

AB (R)-enantiomers of RZOHMeCO<sub>2</sub>R<sub>1</sub> (R = 2,6-dioxo-3-methyl-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl; Z = 4-chloro-2-fluoro-1,5-phenylene) [I; R<sub>1</sub> = alk(enyl)] were prepared. Thus, RZOH was etherified by (S)-HOCHMeCO<sub>2</sub>Me to give (R)-I (R<sub>1</sub> = Me). Data for biol. activity of I were given.

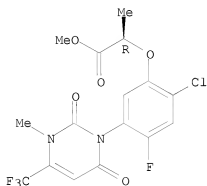
IT 280762-82-5P 280762-83-6P 280762-84-7P  
280762-85-8P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of (dioxypyrimidinophenoxy)propionate enantiomers as herbicides)

RN 280762-82-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, (2R)- (CA INDEX NAME)

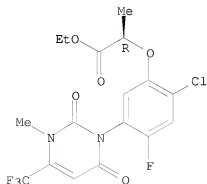
Absolute stereochemistry. Rotation (+).



RN 280762-83-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

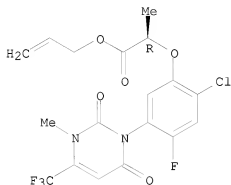


RN 280762-84-7 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

|  |  |
| --- | --- |
| (trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester, (2R)- (9CI) (CA INDEX NAME) |  |

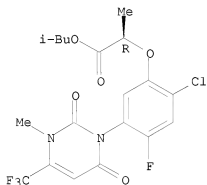
Absolute stereochemistry. Rotation (+).



RN 280762-85-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



IT 114136-60-6

RL: RCT (Reactant); RACT (Reactant or reagent)

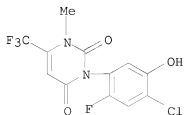
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      (preparation of (dioxypyrimidinophenoxy)propionate enantiomers as
      herbicides)

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RN 114136-60-6 CAPLUS

CN 2,4-(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



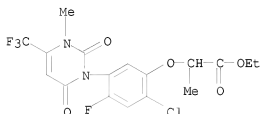
IT 114169-04-9P 280762-86-9P 280762-87-0P

280762-88-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of (dioxypyrimidinophenoxy)propionate enantiomers as herbicides)

RN 114169-04-9 CAPLUS

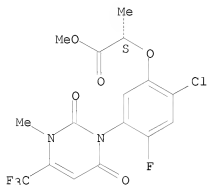
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



RN 280762-86-9 CAPLUS

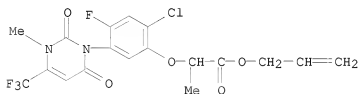
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, (2S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 280762-87-0 CAPLUS

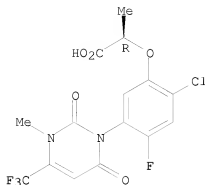
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



RN 280762-88-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 54 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:351507 CAPLUS

DOCUMENT NUMBER: 132:347582

TITLE: 2-Anilino-4(3H)-pyrimidinone derivatives, intermediates in the production thereof, process for producing the same and pesticides containing the same as the active ingredient

INVENTOR(S): Hirai, Kenji; Ohno, Ryuta; Okano, Natsuko; Nagaoka, Maho; Uchida, Atsushi; Yoshino, Yuriko; Ota, Chikako; Fukuchi, Toshiki; Kikutake, Kazuhiko; Kawaguchi, Shinji

PATENT ASSIGNEE(S): Sagami Chemical Research Center, Japan; Mitsubishi Chemical Corporation

SOURCE: PCT Int. Appl., 241 pp.

CODEN: PIXXD2

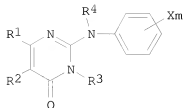
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

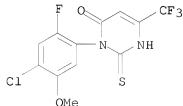
| PATENT NO.             | KIND   | DATE     | APPLICATION NO. | DATE       |
|------------------------|--|----------|-----------------|------------|
| WO 2000029387          | A1   | 20000525 | WO 1999-JP6207  | 19991108   |
| W:                     | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |          |                 |            |
| RW:                    | GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |          |                 |            |
| PRIORITY APPLN. INFO.: |  |          | JP 1998-321181  | A 19981112 |
|                        |  |          | JP 1998-321182  | A 19981112 |
| OTHER SOURCE(S):       | MARPAT 132:347582  |          |                 |            |
| GI                     |  |          |                 |            |



I

AB 2-Anilino-4(3H)-pyrimidinone derivs. represented by general formula [I; R1 = halo, C1-4 alkyl, C1-4 haloalkyl, (un)substituted Ph; R2 = H, halo; R3 = (un)substituted aryl, 2-(C1-4 alkoxy)ethyl, (un)substituted vinyl; R4 = H, C1-4 alkyl, C3-4 alkenyl, C1-4 haloalkyl, C1-4 alkoxy-C1-4 alkyl, C1-4 alkoxy-C1-4 alkoxy-C1-4 alkyl, etc.; X = H, halo, C1-4 alkyl, C1-4 haloalkyl, C3-6 alkenyl, C3-6 alkynyl, C1-5 acyl, CO2H, C1-4 alkoxy-carbonyl, cyano, OH, etc.; m = 1-5, provided that when m is 2-5, Xs are same or different] are prepared. These compds. have excellent effects of, for example, repelling, exterminating or controlling pests such as arthropods (insects and mites), nematodes, helminths, and protozoa which damage crop plants and cattle under growing and harvested crops in agriculture and animal husbandry, woods and ornamental plants, and diseases and weeds harmful to agricultural and horticultural crops. Thus, 4-nitro-2-(trifluoromethyl)aniline was added to a suspension of NaH in DMF, stirred at 0° for 30 min, and condensed with 2-methylthio-3-phenyl-6-trifluoromethyl-4(3H)-pyrimidinone at 0° for 30 min and at 60° for 3 h to give 39% 2-{[4-nitro-2-(trifluoromethyl)phenylamino]-3-phenyl-6-trifluoromethyl-4(3H)-pyrimidinone}. The latter compound was chlorinated by SO2Cl2 to give 99% 5-chloro-{[4-nitro-2-(trifluoromethyl)phenylamino]-3-phenyl-6-trifluoromethyl-4(3H)-pyrimidinone (II)}. II at 500 ppm killed 100% larvae of Nephrotettix cinctipes on rice seedlings.

IT 269736-30-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of anilino-4(3H)-pyrimidinone derivs. as pesticides and herbicides)  
 RN 269736-30-3 CAPLUS  
 CN 4(1H)-Pyrimidinone, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-2,3-dihydro-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)

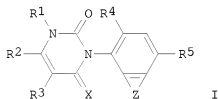


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 55 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1999:404956 CAPLUS  
 DOCUMENT NUMBER: 131:58844  
 TITLE: Preparation of 3-(4-benzazoly)pyrimidine-2,4-diones as herbicides

INVENTOR(S): Reinhard, Robert; Hamprecht, Gerhard; Menges, Markus;  
Menke, Olaf; Schafer, Peter; Zagar, Cyrill;  
Heistracher, Elisabeth; Otten, Martina; Walter,  
Helmut; Westphalen, Karl-Otto  
PATENT ASSIGNEE(S): BASF A.-G., Germany  
SOURCE: PCT Int. Appl., 90 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.  | KIND   | DATE      | APPLICATION NO.  | DATE       |
|---|--------|-----------|------------------|------------|
| WO 9931091  | A1     | 19990624  | WO 1998-EP8098   | 19981211   |
| W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, ID, IL, IN, JP, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, VN, AM, AZ, KG, MD, TJ, TM |        |           |                  |            |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE  |        |           |                  |            |
| DE 19755926   | A1     | 19990624  | DE 1997-19755926 | 19971217   |
| CA 2312703  | A1     | 19990624  | CA 1998-2312703  | 19981211   |
| AU 9918785  | A      | 19990705  | AU 1999-18785    | 19981211   |
| BR 9813613  | A      | 20001010  | BR 1998-13613    | 19981211   |
| EP 1047693  | A1     | 20001102  | EP 1998-963564   | 19981211   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO   |        |           |                  |            |
| JP 2002508369   | T      | 20020319  | JP 2000-539015   | 19981211   |
| ZA 9811490  | A      | 20000615  | ZA 1998-11490    | 19981215   |
| IN 2000CN00107  | A      | 20050304  | IN 2000-CN107    | 20000608   |
| BG 104546   | A      | 20010831  | BG 2000-104546   | 20000619   |
| PRIORITY APPLN. INFO.:  |        |           | DE 1997-19755926 | A 19971217 |
|   |        |           | WO 1998-EP8098   | W 19981211 |
| OTHER SOURCE(S):  | MARPAT | 131:58844 |                  |            |
| GI  |        |           |                  |            |

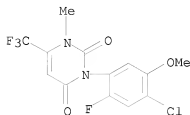


AB Title compds. [I; R1 = H, NH2, (halo)alkyl; R2 = H, halo, (halo)alkyl, SOO-2R; R = alkyl; R3 = H, halo, alkyl; R4 = H or halo; R5 = cyano, halo, (halo)alkyl, (halo)alkoxy; X = O or S; Z = N:NNR6 or NC(Z1R7)Z2; R6 = (un)substituted alkyl, alkylsulfonyl, alkanoyl, etc.; Z1 = bond and R7 = H, halo, OH, etc.; Z1 = O, SOO-2, (un)substituted NH and R7 = (un)substituted alkyl, phenyl(alkyl), heterocyclyl, etc.; Z2 = NR6, O, S] were prepared as herbicides (no data). Thus, 4,2-FC1C6H3NH2 was converted in 8 steps to 4-amino-7-chloro-5-fluoro-1-methylbenzotriazole which was amidated by ClCO2Et and the product cyclocondensed with CF3C(NH2):CHCO2Et to give I (R1 = R3 = H, R2 = CF3, R4 = F, R5 = Cl, X = O, Z = N:NNMe).

IT 114168-57-9  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of 3-(4-benzazolyl)pyrimidine-2,4-diones as herbicides)



RN 114168-57-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

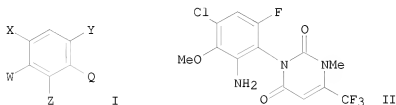
L3 ANSWER 56 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1999:29/407 CAPLUS  
 DOCUMENT NUMBER: 130:338118  
 TITLE: Preparation of heterocyclylbenzenes as herbicides and defoliants.  
 INVENTOR(S): Gupta, Sandeep; Tsukamoto, Masamitsu; Pulman, David A.; Ying, Bai-ping; Wu, Shao-yong  
 PATENT ASSIGNEE(S): ISK Americas Incorporated, USA  
 SOURCE: PCI Int. Appl., 139 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE     |
|---|------|----------|------------------|----------|
| WO 9921837  | A1   | 19990506 | WO 1998-US17197  | 19980821 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW |      |          |                  |          |
| RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                  |          |
| CA 2307815  | A1   | 19990506 | CA 1998-2307815  | 19980821 |
| AU 9895650  | A    | 19990517 | AU 1998-95650    | 19980821 |
| AU 749237   | B2   | 20020620 |                  |          |
| EP 1030843  | A1   | 20000830 | EP 1998-949302   | 19980821 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI   |      |          |                  |          |
| HU 2000004151   | A2   | 20010228 | HU 2000-4151     | 19980821 |
| HU 2000004151   | A3   | 20011228 |                  |          |
| JP 2001521027   | T    | 20011106 | JP 2000-517949   | 19980821 |
| BR 9814104  | A    | 20011226 | BR 1998-14104    | 19980821 |
| CN 1673219  | A    | 20050928 | CN 2005-10062898 | 19980821 |
| CN 1680274  | A    | 20051012 | CN 2005-10065271 | 19980821 |
| IN 194718   | A1   | 20041127 | IN 1998-DE3083   | 19981021 |
| ZA 9809639  | A    | 19990426 | ZA 1998-9639     | 19981022 |
| TW 533200   | B    | 20030521 | TW 1998-87117635 | 19981023 |
| EG 22047  | A    | 20020630 | EG 1998-1309     | 19981027 |
| MX 200004042  | A    | 20010306 | MX 2000-4042     | 20000426 |
| US 6355799  | B1   | 20020312 | US 2000-530373   | 20000427 |

|               |    |          |                |          |
|---------------|----|----------|----------------|----------|
| US 39590      | E1 | 20070424 | US 2000-797936 | 20000427 |
| US 2002133007 | A1 | 20020919 | US 2001-930149 | 20010816 |
| US 6545161    | B2 | 20030408 |                |          |

PRIORITY APPLN. INFO.: US 1997-958313 A2 19971027  
 CN 1998-812711 A3 19980821  
 WO 1998-US17197 W 19980821  
 US 2000-530373 E 20000427

OTHER SOURCE(S): MARPAT 130:338118  
 GI

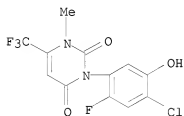


AB Title compds. [I; X = H, halo, NO<sub>2</sub>, amino, NHR, NR<sub>2</sub>, amide, thioamide, cyano, alkylcarbonyl, alkoxycarbonyl, alkylsulfonamide, (substituted) alkyl, haloalkyl, alkoxy, haloalkoxy, alkoxycarbonyloxy, PhCH<sub>2</sub>O, aryloxy, heteroaryloxy; Y = H, halo, NO<sub>2</sub>; W = H, OR, SR, NHR, NR<sub>2</sub>, CH<sub>2</sub>R, CHR<sub>2</sub>, CR<sub>3</sub>, halo, NO<sub>2</sub>, cyano; R = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, alkoxy, cycloalkoxy, aryloxy, heteroaryloxy, alkylsulfonyl, PhCH<sub>2</sub>, alkylcarbonyl, aryloxycarbonyl, etc.; Q = (substituted) heterocyclyl; Z = amino, OH, SH, CHO, CO<sub>2</sub>H, cyano, alkylcarbonyl, arylcarbonyl, N<sub>3</sub>, etc.], were prepared Thus, 3-(4-chloro-6-fluoro-3-methoxy-2-nitrophenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione (preparation given) was stirred with Fe powder in HOAc to give title compound (II). II at 7.8 g/ha postemergent gave 100% control of *Amaranthus retroflexus* and *Abutilon theophrasti*.

IT 114136-60-6 114136-62-8 114168-84-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of heterocyclylbenzenes as herbicides and defoliants)

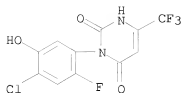
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

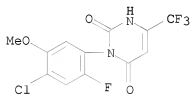


RN 114136-62-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



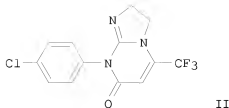
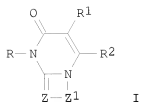
RN 114168-84-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 57 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1999:193937 CAPLUS  
 DOCUMENT NUMBER: 130:237582  
 TITLE: Preparation of 8-phenyl-2,3-dihydroimidazo[1,2-a]pyrimidin-7(8H)-ones and analogs as herbicides  
 INVENTOR(S): Komori, Takashi; Hoshi, Hisayuki  
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan  
 SOURCE: Eur. Pat. Appl., 422 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE              | APPLICATION NO. | DATE       |
|---|------|-------------------|-----------------|------------|
| EP 902029   | A1   | 19990317          | EP 1998-116703  | 19980903   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO |      |                   |                 |            |
| JP 11217384   | A    | 19990810          | JP 1998-276722  | 19980820   |
| BR 9803368  | A    | 20010424          | BR 1998-3368    | 19980902   |
| CN 1210861  | A    | 19990317          | CN 1998-118894  | 19980904   |
| US 5998333  | A    | 19991207          | US 1998-148403  | 19980904   |
| US 6191070  | B1   | 20010220          | US 1998-148074  | 19980904   |
| PRIORITY APPLN. INFO.:  |      |                   | JP 1997-241573  | A 19970905 |
|   |      |                   | JP 1997-370043  | A 19971128 |
| OTHER SOURCE(S):  |      | MARPAT 130:237582 |                 |            |
| GI  |      |                   |                 |            |



AB Title compds. [I; R = YZ<sub>2</sub>, heteroannelated Ph, etc.; R<sub>1</sub> = H or alkyl; R<sub>2</sub> = haloalkyl; Y = halo, NO<sub>2</sub>, cyano, CF<sub>3</sub>; Z = N or CH; Z<sub>1</sub> = (un)substituted CH<sub>2</sub>CH<sub>2</sub>, -(CH<sub>2</sub>)<sub>3</sub>, -CH:CH; Z<sub>2</sub> = (un)substituted 1,4-phenylene]. were prepared Thus, 4-ClC<sub>6</sub>H<sub>4</sub>NCS was esterified by EtOH and the product cyclocondensed with (CH<sub>2</sub>NH<sub>2</sub>)<sub>2</sub> to give 2-(4-chloroanilino)-2-imidazoline which was cyclocondensed with CF<sub>3</sub>COCH<sub>2</sub>CO<sub>2</sub>Et to give title compound II. Data for biol. activity of I were given.

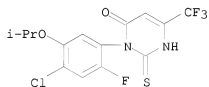
IT 221245-34-7P 221245-43-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of 8-phenyl-2,3-dihydroimidazo[1,2-a]pyrimidin-7(8H)-ones and analogs as herbicides)

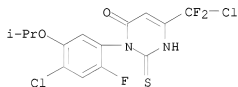
RN 221245-34-7 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-2,3-dihydro-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



RN 221245-43-8 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(chlorodifluoromethyl)-3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-2,3-dihydro-2-thioxo- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 58 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:794990 CAPLUS

DOCUMENT NUMBER: 130:38393

TITLE: Preparation of (iminopropoxyphenyl)uracils as herbicides

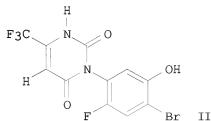
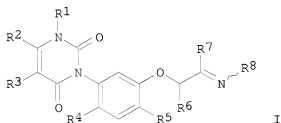
INVENTOR(S): Drewes, Mark Wilhelm; Andree, Roland; Dollinger, Markus

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 36 pp.

DOCUMENT TYPE: CODEN: PIXXD2  
 LANGUAGE: Patent  
 FAMILY ACC. NUM. COUNT: 1 German  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE     | APPLICATION NO.  | DATE       |
|------------------------|--|----------|------------------|------------|
| WO 9854155             | A1   | 19981203 | WO 1998-EP2861   | 19980514   |
| W:                     | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |          |                  |            |
| RW:                    | GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG   |          |                  |            |
| DE 19722031            | A1   | 19981203 | DE 1997-19722031 | 19970527   |
| CA 2291448             | A1   | 19981203 | CA 1998-2291448  | 19980514   |
| AU 9881042             | A  | 19981230 | AU 1998-81042    | 19980514   |
| AU 735744              | B2   | 20010712 |                  |            |
| EP 984945              | A1   | 20000315 | EP 1998-930691   | 19980514   |
| EP 984945              | B1   | 20050427 |                  |            |
| R:                     | BE, CH, DE, DK, ES, FR, GB, IT, LI, NL   |          |                  |            |
| BR 9809670             | A  | 20000711 | BR 1998-9670     | 19980514   |
| JP 2001526697          | T  | 20011218 | JP 1999-500161   | 19980514   |
| US 6245715             | B1   | 20010612 | US 1999-423914   | 19991116   |
| MX 9910948             | A  | 20000430 | MX 1999-10948    | 19991126   |
| PRIORITY APPLN. INFO.: |  |          | DE 1997-19722031 | A 19970527 |
| OTHER SOURCE(S):       | MARPAT 130:38393   |          | WO 1998-EP2861   | W 19980514 |
| GI                     |  |          |                  |            |



AB The title compds. [I; R1 = H, amino, (un)substituted alkyl; R2 = carboxy, cyano, (thio)carbamoyl, (un)substituted alkyl, alkoxy-carbonyl; R3 = H, halo, (un)substituted alkyl; R4 = H, halo, cyano, thiocarbamoyl; R5 = halo, cyano, carbamoyl; R6 = H, (un)substituted alkyl; R7 =

(un)substituted alkyl; R8 = OH, amino, (un)substituted alkyl(amino), alkenyl, alkynyl, alkoxy, alkylcarbonylamino, aryl(oxy), arylsulfonylamino, etc.] were prepared For example, acylation of 4-bromo-2-fluoro-5-hydroxyaniline with ClCO2Et and cyclocondensation of N,O-diacyl intermediate with Et 3-amino-4,4,4-trifluorocrotonate gave uracil derivative II which was etherified with MeCOCHClMe, the (oxopropoxyphenyl)uracil deriv N-methylated and condensed with MeONH2 to give a title compound I (R1, R6, R7 = Me, R2 = CF3, R3 = H, R4 = F, R5 = Br, R8 = MeO). The latter at 15-60 g/ha postemergence gave 100% control of

Abutilon, Datura, Solanum and Viola with no adverse effect on wheat.

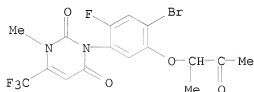
IT 216988-78-2P 216988-81-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and condensation with O-methylhydroxylamine; preparation of (iminopropoxyphenyl)uracils as herbicides)

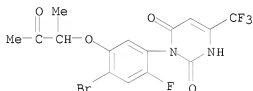
RN 216988-78-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methyl-2-oxopropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 216988-81-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methyl-2-oxopropoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



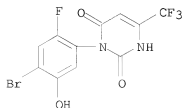
IT 216988-80-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and etherification with chlorobutanone; preparation of (iminopropoxyphenyl)uracils as herbicides)

RN 216988-80-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



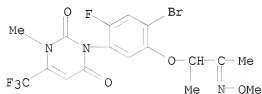
IT 216988-68-0P 216988-70-4P 216988-72-6P

216988-73-7P 216988-74-8P 216988-75-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of (iminopropoxyphenyl)uracils as herbicides)

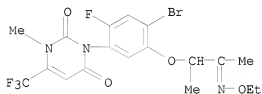
RN 216988-68-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[2-(methoxyimino)-1-methylpropoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



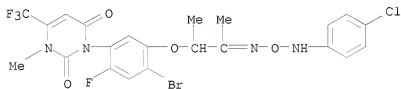
RN 216988-70-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[2-(ethoxyimino)-1-methylpropoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



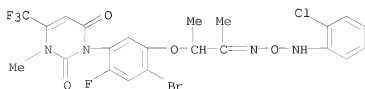
RN 216988-72-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[2-[[[4-chlorophenyl]amino]oxy]imino]-1-methylpropoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 216988-73-7 CAPLUS

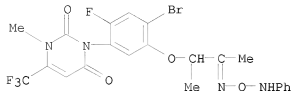
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[2-[[[(2-chlorophenyl)amino]oxy]imino]-1-methylpropoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 216988-74-8 CAPLUS

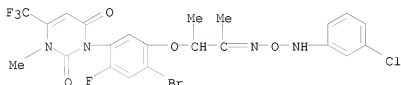
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[1-methyl-2-[[[phenylamino]oxy]imino]propoxy]phenyl]-1-methyl-6-(trifluoromethyl)-

(CA INDEX NAME)



RN 216988-75-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[2-[[[(3-chlorophenyl)amino]oxy]imino]-1-methylpropoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 59 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:668118 CAPLUS

DOCUMENT NUMBER: 129:290144

TITLE: Preparation of N-(ethynylphenyl)pyrimidinediones and analogs as herbicides

INVENTOR(S): Yanagi, Akihiko; Narabu, Shin-ichi; Goto, Toshio; Ito, Seishi; Minegishi, Natsuko; Yamaoka, Tatsuya; Ueno, Chieko

PATENT ASSIGNEE(S): Nihon Bayer Agrochem K. K., Japan

SOURCE: Eur. Pat. Appl., 86 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

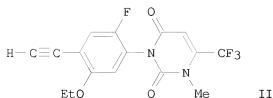
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE        |
|---|------|----------|-----------------|-------------|
| EP 869123   | A2   | 19981007 | EP 1998-104853  | 19980318    |
| EP 869123   | A3   | 20020102 |                 |             |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO |      |          |                 |             |
| JP 10330359   | A    | 19981215 | JP 1997-225625  | 19970808    |
| US 5935907  | A    | 19990810 | US 1998-47260   | 19980324    |
| US 6174839  | B1   | 20010116 | US 1999-255959  | 19990223    |
| PRIORITY APPLN. INFO.:  |      |          |                 |             |
|   |      |          | JP 1997-94386   | A 19970331  |
|   |      |          | JP 1997-225625  | A 19970808  |
|   |      |          | US 1998-47260   | A3 19980324 |

OTHER SOURCE(S): MARPAT 129:290144

GI



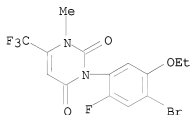


AB RC.tplbond.CZR1 [I; R = H, halo, (hydroxy)alkyl, trialkylsilyl, etc.; R1 = N-attached heterocyclyl(ideneimino); Z = (un)substituted 1,4-phenylene] were prepared. Thus, Et 4-bromo-5-ethoxy-2-fluorophenylcarbamate (preparation given) was cyclocondensed with CF<sub>3</sub>C(NH<sub>2</sub>):CHCO<sub>2</sub>Et and the N-methylated product condensed with HC.tplbond.CSiMe<sub>3</sub> to give, after deprotection, title compound II. Data for biol. activity of I were given.

IT 114169-85-6P 214329-68-7P 214329-76-7P  
214329-77-8P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of N-(ethynylphenyl)pyrimidinediones and analogs as herbicides)

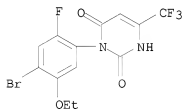
RN 114169-85-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



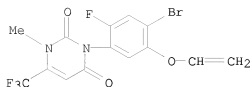
RN 214329-68-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-5-ethoxy-2-fluorophenyl)-6-(trifluoromethyl)- (CA INDEX NAME)

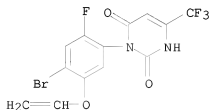


RN 214329-76-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-(ethenoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 214329-77-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-(ethenyloxy)-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 60 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:635622 CAPLUS

DOCUMENT NUMBER: 129:256468

TITLE: Preparation of diaryl ethers as herbicides and desiccants

INVENTOR(S): Pulman, David A.; Ying, Bai-ping; Wu, Shao-yong; Gupta, Sandeep; Shimoharada, Hiroshi; Tsukamoto, Masamitsu

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha Americas, Inc., USA

SOURCE: PCT Int. Appl., 130 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO.    | KIND   | DATE     | APPLICATION NO. | DATE     |
|---------------|--|----------|-----------------|----------|
| WO 9841093    | A1   | 19980924 | WO 1998-US209   | 19980114 |
| W:            | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW |          |                 |          |
| RW:           | GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG   |          |                 |          |
| CA 2282643    | A1   | 19980924 | CA 1998-2282643 | 19980114 |
| AU 9858161    | A  | 19981012 | AU 1998-58161   | 19980114 |
| AU 737360     | B2   | 20010816 |                 |          |
| EP 973395     | A1   | 20000126 | EP 1998-901704  | 19980114 |
| EP 973395     | B1   | 20031203 |                 |          |
| R:            | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, RO   |          |                 |          |
| BR 9808334    | A  | 20000516 | BR 1998-8334    | 19980114 |
| JP 2001519783 | T  | 20011023 | JP 1998-540479  | 19980114 |
| RU 2180336    | C2   | 20020310 | RU 1999-122033  | 19980114 |

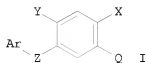
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| AT 255331     | T  | 20031215 | AT 1998-901704 | 19980114 |
| IN 188380     | A1 | 20020914 | IN 1998-DE643  | 19980312 |
| ZA 9802158    | A  | 19980914 | ZA 1998-2158   | 19980313 |
| US 6333296    | B1 | 20011225 | US 1999-380830 | 19990910 |
| US 2002161224 | A1 | 20021031 | US 2001-779674 | 20010209 |
| US 6479435    | B2 | 20021112 |                |          |

PRIORITY APPLN. INFO.:

|  |                |             |
|--|----------------|-------------|
|  | US 1997-818061 | A2 19970314 |
|  | US 1997-917682 | A2 19970826 |
|  | US 1997-947900 | A2 19971009 |
|  | WO 1998-US209  | W 19980114  |
|  | US 1999-380830 | A3 19990910 |

OTHER SOURCE(S):                    MARPAT 129:256468

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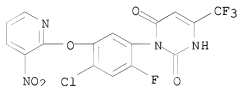
AB The diaryl ethers I [X, Y = H, halo, cyano, nitro or Cl-6 haloalkyl; Z = O or S; Q = (un)substituted N-containing heterocyclyl; Ar = (un)substituted aryl or heterocyclyl] are prepared as herbicides and desiccants.

IT 213676-09-6P 213676-11-0P 213676-12-1P  
213676-13-2P 213676-14-3P 213676-16-5P  
213676-18-7P 213676-20-1P 213676-22-3P  
213676-23-4P 213676-24-5P 213676-25-6P  
213676-26-7P 213676-28-9P 213676-29-0P  
213676-31-4P 213676-32-5P 213676-33-6P  
213676-35-8P 213676-36-9P 213676-37-0P  
213676-39-2P 213676-40-5P 213676-42-7P  
213676-44-9P 213676-45-0P 213676-46-1P  
213676-47-2P 213676-48-3P 213676-49-4P  
213676-50-7P 213676-51-8P 213676-52-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(intermediate in preparation of diaryl ethers herbicides and desiccants)

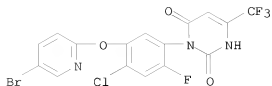
RN 213676-09-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



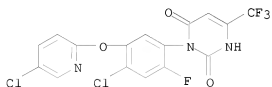
RN 213676-11-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[(5-bromo-2-pyridinyl)oxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



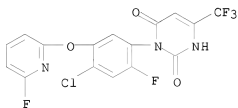
RN 213676-12-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



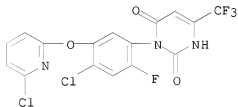
RN 213676-13-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(6-fluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



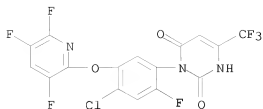
RN 213676-14-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(6-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



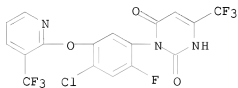
RN 213676-16-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3,5,6-trifluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



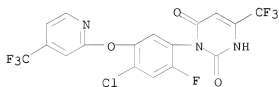
RN 213676-18-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[3-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



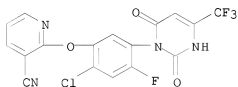
RN 213676-20-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[4-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



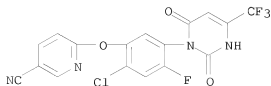
RN 213676-22-3 CAPLUS

CN 3-Pyridinecarbonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)

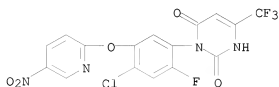


RN 213676-23-4 CAPLUS

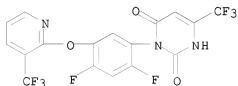
CN 3-Pyridinecarbonitrile, 6-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



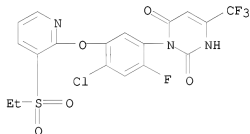
RN 213676-24-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



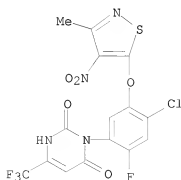
RN 213676-25-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-[[3-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



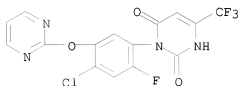
RN 213676-26-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[3-(ethylsulfonyl)-2-pyridinyl]oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



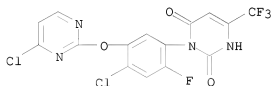
RN 213676-28-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-methyl-4-nitro-5-isothiazolyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



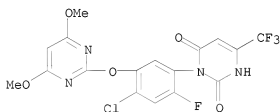
RN 213676-29-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-pyrimidinylloxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



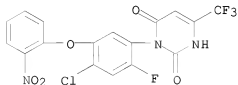
RN 213676-31-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



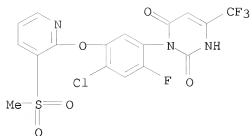
RN 213676-32-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-33-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

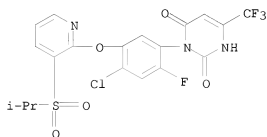


RN 213676-35-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[3-(methylsulfonyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



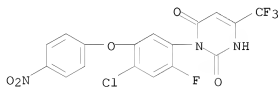
RN 213676-36-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methylethyl)sulfonyl]-2-pyridinyloxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



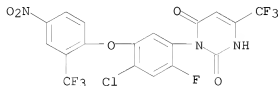
RN 213676-37-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-39-2 CAPLUS

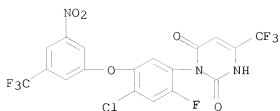
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-nitro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-40-5 CAPLUS

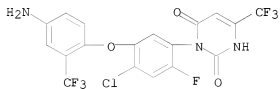
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-nitro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)





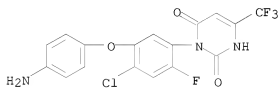
RN 213676-42-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[4-amino-2-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



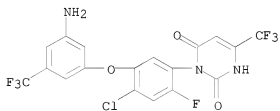
RN 213676-44-9 CAPLUS

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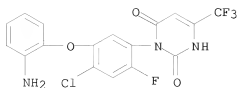
RN 213676-45-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[3-amino-5-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



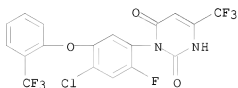
RN 213676-46-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



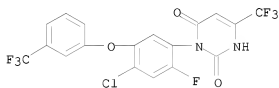
RN 213676-47-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



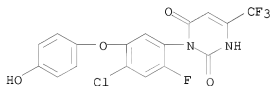
RN 213676-48-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



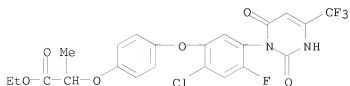
RN 213676-49-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-hydroxyphenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

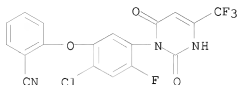


RN 213676-50-7 CAPLUS

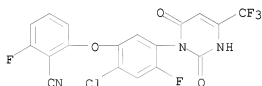
CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



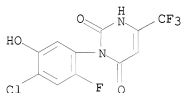
RN 213676-51-8 CAPLUS  
CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-  
1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 213676-52-9 CAPLUS  
CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-  
1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro- (CA INDEX NAME)



IT 114136-62-8  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reactant in preparation of diaryl ethers as herbicides and desiccants)  
RN 114136-62-8 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-  
(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 61 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1998:608618 CAPLUS  
DOCUMENT NUMBER: 129:230735  
TITLE: Preparation of cycloimido-substituted benzofused  
heterocyclic herbicides  
INVENTOR(S): Crawford, Scott D.; Maravetz, Lester L.; Theodoridis,  
George; Dugan, Benjamin  
PATENT ASSIGNEE(S): FMC Corp., USA  
SOURCE: PCT Int. Appl., 69 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

|                        |  |          |                 |            |
|------------------------|--|----------|-----------------|------------|
| WO 9838188             | A1   | 19980903 | WO 1998-US3647  | 19980225   |
| W:                     | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW |          |                 |            |
| RW:                    | GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG   |          |                 |            |
| US 6077812             | A  | 20000620 | US 1998-28636   | 19980224   |
| ZA 9801580             | A  | 19980827 | ZA 1998-1580    | 19980225   |
| CA 2281688             | A1   | 19980903 | CA 1998-2281688 | 19980225   |
| AU 9866670             | A  | 19980918 | AU 1998-66670   | 19980225   |
| AU 734666              | B2   | 20010621 |                 |            |
| EP 968207              | A1   | 20000105 | EP 1998-908708  | 19980225   |
| R:                     | BE, CH, DE, ES, FR, GB, GR, IT, LI, NL   |          |                 |            |
| BR 9807607             | A  | 20000222 | BR 1998-7607    | 19980225   |
| TR 9902069             | T2   | 20000522 | TR 1999-2069    | 19980225   |
| HU 2000001445          | A2   | 20000828 | HU 2000-1445    | 19980225   |
| HU 2000001445          | A3   | 20011228 |                 |            |
| JP 2002521001          | T  | 20020709 | JP 1998-537797  | 19980225   |
| IN 1998DE00513         | A  | 20070223 | IN 1998-DE513   | 19980226   |
| US 6352958             | B1   | 20020305 | US 2000-547609  | 20000412   |
| CN 1413990             | A  | 20030430 | CN 2001-139440  | 20011123   |
| PRIORITY APPLN. INFO.: |  |          | US 1997-39172P  | P 19970226 |
|                        |  |          | US 1998-28636   | A 19980224 |
|                        |  |          | WO 1998-US3647  | W 19980225 |
| OTHER SOURCE(S):       | MARPAT 129:230735  |          |                 |            |
| GI                     |  |          |                 |            |

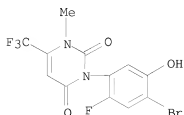
\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The title compds. [I; A, B = (un)substituted CH, N, (un)substituted NH, O; R = H, OH, SH, etc.; X = H, F, Cl, etc.; n = 0-3; J = II-VII (wherein R3 = H, alkyl, haloalkyl, etc.)], useful in controlling weeds, were prepared. Thus, heating at reflux 1-methyl-6-trifluoromethyl-3-(6-amino-4-bromo-2-fluoro-5-hydroxyphenyl)-2,4(1H,3H)-pyrimidinedione with carbonylimidazole in THF followed by reaction of the resulting 1-methyl-3-trifluoromethyl-3-(7-bromo-5-fluorobenzoxazol-2-on-4-yl)-2,4(1H,3H)-pyrimidinedione with MeI in the presence of Ag2O in CH2Cl2 afforded VIII which showed 100% control against, e.g., velvetleaf and blackgrass.

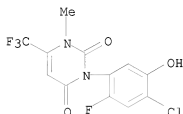
IT 114136-61-7  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of cycloimido-substituted benzofused heterocyclic herbicides)

RN 114136-61-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 114136-60-6P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of cycloimido-substituted benzofused heterocyclic herbicides)  
 RN 114136-60-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-  
 6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 13 1-41 ibib abs hitstr

L3 ANSWER 1 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:817459 CAPLUS  
 DOCUMENT NUMBER: 147:211906  
 TITLE: A process for producing uracil compounds  
 INVENTOR(S): Beaudegnies, Renaud; Cassayre, Jerome; Gott, Brian  
 David; Jackson, David Anthony; Luethy, Christoph;  
 Quaranta, Laura; Vettiger, Thomas; Wenger, Jean;  
 Zeller, Martin  
 PATENT ASSIGNEE(S): Syngenta Limited, UK; Syngenta Participations AG  
 SOURCE: PCI Int. Appl., 43pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2007083090   | A2   | 20070726 | WO 2007-GB95    | 20070115 |
| WO 2007083090   | A3   | 20070907 |                 |          |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,<br>CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,<br>GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,<br>KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,<br>MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,<br>RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,<br>TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW |      |          |                 |          |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,<br>IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,<br>CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,<br>GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,<br>KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA  |      |          |                 |          |

PRIORITY APPLN. INFO.: GB 2006-914 A 20060117  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The invention relates to processes and intermediates for preparation of uracil derivs. I, which are useful as herbicides, comprising reacting a compound of formula (II) with a compound of formula (III). In compds. I to III, R1 is C1-3 (halo)alkyl; R2 is C1-3 alkyl; R3 is an alkanolic acid alkyl ester; R4 is C1-6 straight or branched-chain alkyl; X1 and X2 are halo. For instance, the invention compound IV was prepared from 2,3-dihydroxypyridine in about 8 steps.

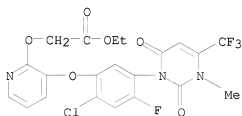
IT 353292-31-6P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(product; preparation of uracil derivs. useful as herbicides)

RN 353292-31-6 CAPLUS

CN Acetic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



L3 ANSWER 2 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:558318 CAPLUS

DOCUMENT NUMBER: 145:22583

TITLE: Synergistic herbicidal compositions comprising a a pyrimidinedione derivative

INVENTOR(S): North, Daniel Joseph

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

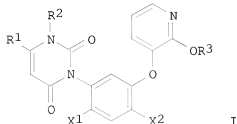
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.    | KIND   | DATE     | APPLICATION NO. | DATE     |
|---------------|--|----------|-----------------|----------|
| WO 2006061562 | A1   | 20060615 | WO 2005-GB4468  | 20051121 |
| W:            | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                 |          |
| RW:           | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM   |          |                 |          |
| AU 2005313141 | A1   | 20060615 | AU 2005-313141  | 20051121 |

|  |    |          |                  |            |
|--|----|----------|------------------|------------|
| CA 2586256   | A1 | 20060615 | CA 2005-2586256  | 20051121   |
| EP 1824337   | A1 | 20070829 | EP 2005-804388   | 20051121   |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, |    |          |                  |            |
| IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR         |    |          |                  |            |
| CN 101072502   | A  | 20071114 | CN 2005-80041856 | 20051121   |
| IN 2007DN03626   | A  | 20070824 | IN 2007-DN3626   | 20070515   |
| PRIORITY APPLN. INFO.:   |    |          | GB 2004-26717    | A 20041206 |
|  |    |          | GB 2005-3346     | A 20050217 |
|  |    |          | WO 2005-GB4468   | W 20051121 |

OTHER SOURCE(S): MARPAT 145:22583  
GI



I

AB Synergistic herbicidal compns. comprising a a pyrimidinedione derivative I [R1 = C1-3 (halo)alkyl; R2 = C1-3 alkyl; X1, X2 = halo; R3 = C1-6 alkanolic acid C1-6 alkyl ester residue] and: a second herbicide selected from paraquat, glyphosate, a sulfonyurea, a chloroacetamide, a di-Ph ether a triazine, a N-phenylphthalimide, glufosinate, a phenylpyridazine, a triketone, an isoxazole, a cyclohexanedione oxime, a triazolinone, an urea derivative a dinitroaniline or a pinoxaden.

IT 889462-37-7 889462-38-8 889462-39-9  
889462-40-2 889462-41-3 889462-42-4  
889462-43-5 889462-44-6  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic herbicidal composition)

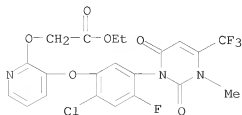
RN 889462-37-7 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester, mixt. with 1,1'-dimethyl-4,4'-bipyridinium (9CI) (CA INDEX NAME)

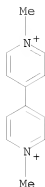
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CRN 353292-31-6

CMF C21 H16 Cl F4 N3 O6

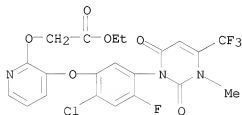


CM 2  
CRN 4685-14-7  
CMF C12 H14 N2

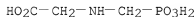


RN 889462-38-8 CAPLUS  
CN Glycine, N-(phosphonomethyl)-, mixt. with ethyl [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]acetate (9CI) (CA INDEX NAME)

CM 1  
CRN 353292-31-6  
CMF C21 H16 Cl F4 N3 O6



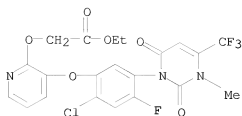
CM 2  
CRN 1071-83-6  
CMF C3 H8 N O5 P



RN 889462-39-9 CAPLUS  
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester, mixt. with 2-(2-chloroethoxy)-N-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide (9CI) (CA INDEX NAME)

CM 1  
CRN 353292-31-6  
CMF C21 H16 Cl F4 N3 O6

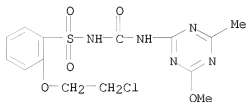




CM 2

CRN 82097-50-5

CMF C14 H16 Cl N5 O5 S



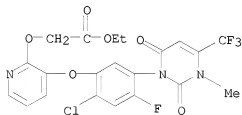
RN 889462-40-2 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester, mixt. with 2-[[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]amino[sulfonyl]-N,N-dimethyl-3-pyridinecarboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6

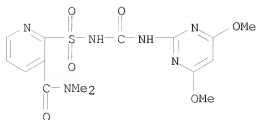
CMF C21 H16 Cl F4 N3 O6



CM 2

CRN 111991-09-4

CMF C15 H18 N6 O6 S



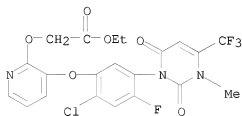
RN 889462-41-3 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester, mixt. with 2-[[[4,6-bis(difluoromethoxy)-2-pyrimidinyl]amino]carbonyl]amino]sulfonyl]benzoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6

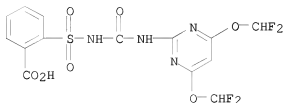
CMF C21 H16 Cl F4 N3 O6



CM 2

CRN 113036-87-6

CMF C14 H10 F4 N4 O7 S



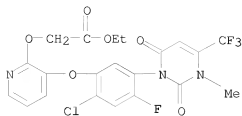
RN 889462-42-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester, mixt. with N-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl]amino]carbonyl]-2-(3,3,3-trifluoropropyl)benzenesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6

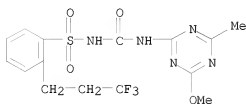
CMF C21 H16 Cl F4 N3 O6



CM 2

CRN 94125-34-5

CMF C15 H16 F3 N5 O4 S



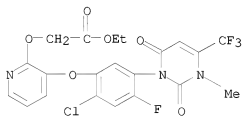
RN 889462-43-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester, mixt. with 2-chloro-N-(2-ethyl-6-methylphenyl)-N-[(1S)-2-methoxy-1-methylethyl]acetamide (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6

CMF C21 H16 Cl F4 N3 O6

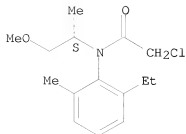


CM 2

CRN 87392-12-9

CMF C15 H22 Cl N O2

Absolute stereochemistry. Rotation (-).

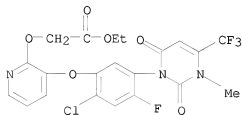


|    |   |        |
|----|---|--------|
| RN | 889462-44-6   | CAPLUS |
| CN | Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME) |        |

CM 1

CRN 353292-31-6

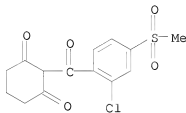
CMF C21 H16 C1 F4 N3 O6



CM 2

CRN 99105-77-8

CMF C14 H13 C1 O5 S



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:872785 CAPLUS

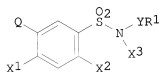
DOCUMENT NUMBER: 141:366241

TITLE: Preparation of dioxypyrimidinylbenzenesulfonamides as herbicides, desiccants, and defoliants.

INVENTOR(S): Hamprecht, Gerhard; Puhl, Michael; Reinhard, Robert;  
Seitz, Werner; Zagar, Cyrill; Witschel, Matthias;

PATENT ASSIGNEE(S): Landes, Andreas  
 SOURCE: BASF Aktiengesellschaft, Germany  
 PCT Int. Appl., 144 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE     | APPLICATION NO.  | DATE       |
|------------------------|--|----------|------------------|------------|
| WO 2004089914          | A1   | 20041021 | WO 2004-EP3624   | 20040406   |
| W:                     | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GE, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                  |            |
| RW:                    | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                  |            |
| EP 1613607             | A1   | 20060111 | EP 2004-725933   | 20040406   |
| R:                     | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR   |          |                  |            |
| BR 2004009221          | A  | 20060328 | BR 2004-9221     | 20040406   |
| JP 2006522760          | T  | 20061005 | JP 2006-505008   | 20040406   |
| US 2006211577          | A1   | 20060921 | US 2005-551988   | 20051005   |
| PRIORITY APPLN. INFO.: |  |          | DE 2003-10316311 | A 20030408 |
|                        |  |          | WO 2004-EP3624   | W 20040406 |
| OTHER SOURCE(S):       | MARPAT 141:366241  |          |                  |            |
| GI                     |  |          |                  |            |



AB Title compds. [I; X1 = H, halo; X2 = H, cyano, CSNH<sub>2</sub>, halo, alkyl, haloalkyl; X3 = H, cyano, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, (substituted) phenylalkyl; Y = C(:A)B, SO<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>; A = O, S; B = O, S, NR<sub>2</sub>, bond; R1 = H, halo, OH, (substituted) alkyl, cycloalkyl, cycloalkylalkyl, alkenyl, alkynyl, alkoxy, cycloalkoxy, alkenyloxy, alkynyloxy, aryl, aryloxy, aralkyl, heterocyclyl, heteroaryl, heteroarylalkyl; R2 = H, (halo-substituted) alkyl, alkenyl, alkynyl, cycloalkyl; R1R2N = (substituted) heterocyclyl; Q = specified azolyl, azinyl residues], were prepared as herbicides, desiccants, and defoliants (no data). Thus, 2-chloro-4-fluoro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-trifluoromethyl-(2H)-pyrimidin-1-yl]benzenesulfonyl isocyanate (preparation given) and N-methylisopropylamine were stirred overnight in 1,2-dichloroethane to give 42% 3-[4-chloro-2-fluoro-5-[[isopropyl(methyl)amino]carbonylamino]sulfonyl]phenyl]-1-methyl-2,4-dioxo-6-trifluoromethyl-1,2,3,4-tetrahydropyrimidine.

IT 779341-34-3P 779341-35-4P 779341-36-5P  
 779341-37-6P 779341-38-7P 779341-39-8P

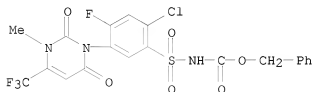
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 779341-64-9P 779341-65-0P 779341-66-1P  
 779341-67-2P 779341-68-3P 779341-69-4P  
 779341-70-7P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of dioxypyrimidinylbenzenesulfonamides as herbicides, desiccants, and defoliants)

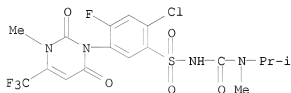
RN 779341-34-3 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



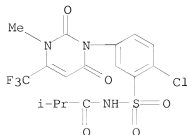
RN 779341-35-4 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[[methyl(1-methylethyl)amino]carbonyl]- (CA INDEX NAME)



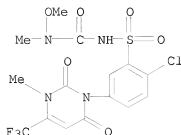
RN 779341-36-5 CAPLUS

CN Propanamide, N-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-2-methyl- (CA INDEX NAME)



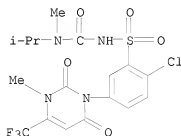
RN 779341-37-6 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(methoxymethylamino)carbonyl]- (CA INDEX NAME)



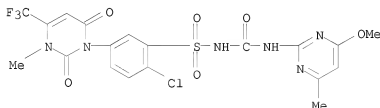
RN 779341-38-7 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[[methyl(1-methylethyl)amino]carbonyl]- (CA INDEX NAME)



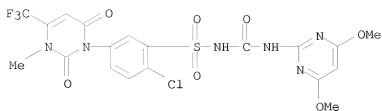
RN 779341-39-8 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[[[4-methoxy-6-methyl-2-pyrimidinyl)amino]carbonyl]- (CA INDEX NAME)



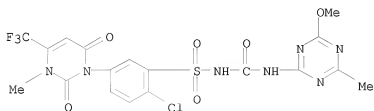
RN 779341-40-1 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[[[4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]- (CA INDEX NAME)



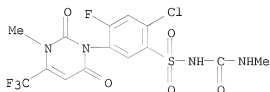
RN 779341-41-2 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl- (CA INDEX NAME)



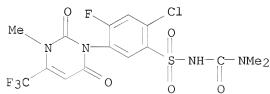
RN 779341-42-3 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(methylamino)carbonyl]- (CA INDEX NAME)



RN 779341-43-4 CAPLUS

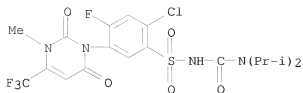
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(dimethylamino)carbonyl]-4-fluoro- (CA INDEX NAME)



RN 779341-44-5 CAPLUS

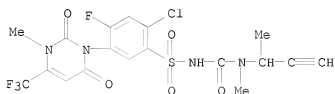
CN Benzenesulfonamide, N-[[bis(1-methylethyl)amino]carbonyl]-2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)





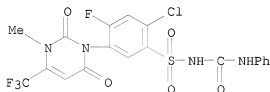
RN 779341-45-6 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[[methyl(1-methyl-2-propynyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



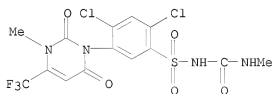
RN 779341-46-7 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(phenylamino)carbonyl]- (CA INDEX NAME)



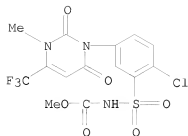
RN 779341-47-8 CAPLUS

CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(methylamino)carbonyl]- (CA INDEX NAME)



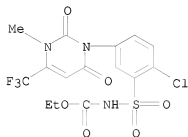
RN 779341-48-9 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



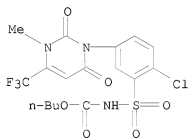
RN 779341-49-0 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, ethyl ester (9CI)  
(CA INDEX NAME)



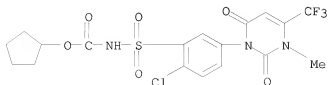
RN 779341-50-3 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, butyl ester (9CI)  
(CA INDEX NAME)



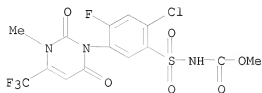
RN 779341-51-4 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, cyclopentyl ester (9CI)  
(CA INDEX NAME)



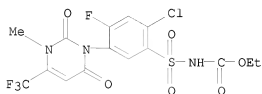
RN 779341-52-5 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



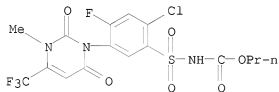
RN 779341-53-6 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



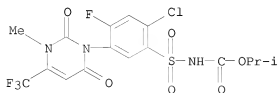
RN 779341-54-7 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, propyl ester (9CI) (CA INDEX NAME)



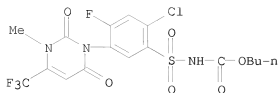
RN 779341-55-8 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



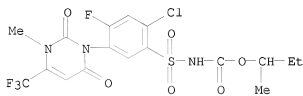
RN 779341-56-9 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, butyl ester (9CI) (CA INDEX NAME)



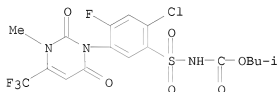
RN 779341-57-0 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 1-methylpropyl ester (9CI) (CA INDEX NAME)



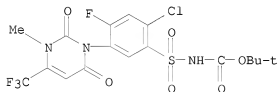
RN 779341-58-1 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



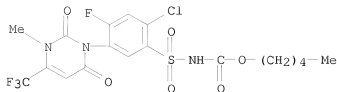
RN 779341-59-2 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



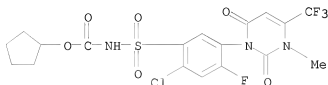
RN 779341-60-5 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, pentyl ester (9CI) (CA INDEX NAME)



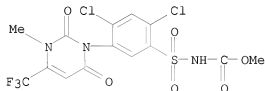
RN 779341-61-6 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, cyclopentyl ester (9CI) (CA INDEX NAME)



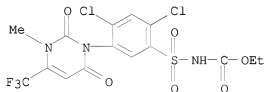
RN 779341-62-7 CAPLUS

CN Carbamic acid, [[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



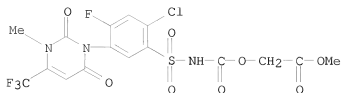
RN 779341-63-8 CAPLUS

CN Carbamic acid, [[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



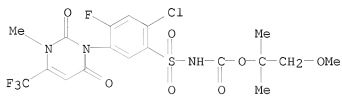
RN 779341-64-9 CAPLUS

CN Acetic acid, [[[[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]amino]carbonyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



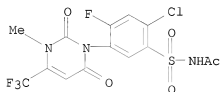
RN 779341-65-0 CAPLUS

CN Carbanic acid, N-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 2-methoxy-1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



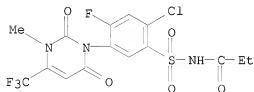
RN 779341-66-1 CAPLUS

CN Acetamide, N-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]- (CA INDEX NAME)



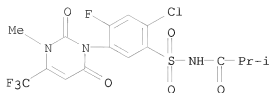
RN 779341-67-2 CAPLUS

CN Propanamide, N-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]- (CA INDEX NAME)

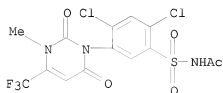


RN 779341-68-3 CAPLUS

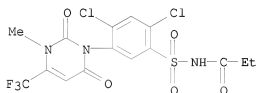
CN Propanamide, N-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-2-methyl- (CA INDEX NAME)



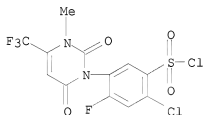
RN 779341-69-4 CAPLUS  
 CN Acetamide, N-[[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]- (CA INDEX NAME)



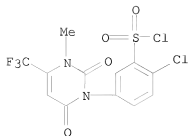
RN 779341-70-7 CAPLUS  
 CN Propanamide, N-[[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]- (CA INDEX NAME)



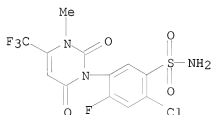
IT 146423-50-9 146436-82-0  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of dioxypyrimidinylbenzenesulfonamides as herbicides,  
 desiccants, and defoliants)  
 RN 146423-50-9 CAPLUS  
 CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



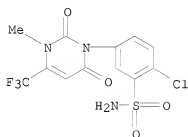
RN 146436-82-0 CAPLUS  
 CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)



IT 146422-89-1P 779341-32-1P 779341-33-2P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of dioxypyrimidinylbenzenesulfonamides as herbicides,  
 desiccants, and defoliants)  
 RN 146422-89-1 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
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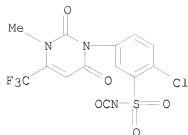


RN 779341-32-1 CAPLUS  
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)



RN 779341-33-2 CAPLUS  
 CN Benzenesulfonyl isocyanate, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)





REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 91 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2004:550942 CAPLUS

DOCUMENT NUMBER: 141:106491

TITLE: Preparation of new uracils having a herbicidal activity

INVENTOR(S): Meazza, Giovanni; Paravidino, Piero; Bettarini, Franco; Fornara, Luca

PATENT ASSIGNEE(S): Isagro Ricerca S.r.l., Italy

SOURCE: PCT Int. Appl., 122 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

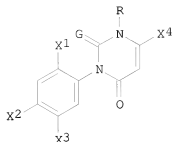
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PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE     | APPLICATION NO.  | DATE       |
|------------------------|--|----------|------------------|------------|
| WO 2004056785          | A2   | 20040708 | WO 2003-EP14469  | 20031215   |
| WO 2004056785          | A3   | 20040923 |                  |            |
| W:                     | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                  |            |
| RW:                    | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                  |            |
| CA 2506826             | A1   | 20040708 | CA 2003-2506826  | 20031215   |
| AU 2003294894          | A1   | 20040714 | AU 2003-294894   | 20031215   |
| EP 1585737             | A2   | 20051019 | EP 2003-785868   | 20031215   |
| R:                     | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK   |          |                  |            |
| BR 2003017086          | A  | 20051025 | BR 2003-17086    | 20031215   |
| CN 1729177             | A  | 20060201 | CN 2003-80106868 | 20031215   |
| JP 2006516126          | T  | 20060622 | JP 2004-561343   | 20031215   |
| US 2006025591          | A1   | 20060202 | US 2005-536485   | 20050524   |
| IN 2005DN02216         | A  | 20061229 | IN 2005-DN2216   | 20050525   |
| PRIORITY APPLN. INFO.: |  |          | IT 2002-MI2758   | A 20021223 |
|                        |  |          | WO 2003-EP14469  | W 20031215 |

OTHER SOURCE(S): CASREACT 141:106491; MARPAT 141:106491

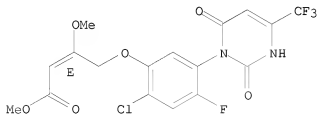
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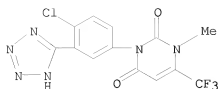
I

- AB The title compds. I [X1 = H, halo; X2 = halo; X4 = haloalkyl; R = H, alkyl, haloalkyl; G = O, S; X3 = Q(CR1R2)nZ, Q1Z, Q2, Y(OC)CR6:CR5CR3R4Z; Z = O, S; R1-R4 = H, alkyl, haloalkyl; R5 = OR7; R6 = H, alkyl; R7 = alkyl, haloalkyl; Y = OR8, SR9, NR10R11; R8, R9 = H, alkyl, cycloalkyl, etc.; R10, R11 = H, alkyl, haloalkyl, etc.; n = 1-3; Q = pyrrolyl, imidazolyl, pyrazolyl, etc.; Q1 = thiadiazolyl, tetrazolyl, oxadiazolyl, etc.; Q2 = tetrazolyl, thiazolyl, isothiazolyl, etc.], useful as herbicides, especially for the pre-emergence and/or post-emergence control of monocotyledonous or dicotyledonous weeds, were prepared. Thus, reacting Et 3-amino-4,4,4-trifluoro-2-butenate with Me (2E)-4-(2-chloro-4-fluoro-5-isocyanatophenoxy)-3-methoxybut-2-enoate (preparation given) in the presence of NaH in DMF afforded Me (2E)-4-[2-chloro-4-fluoro-5-[1,2,3,6-tetrahydro-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1-yl]phenoxy]-3-methoxybut-2-enoate. The herbicidal activity of the compds. I was evaluated (data given for representative compds. I),. Herbicidal compns. comprising the compound I along with other herbicides (list of herbicides given), fungicides, insecticides, acaricides, fertilizers, etc., are claimed.
- IT 718625-97-9P 718626-08-5P 718626-15-4P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of new uracils having a herbicidal activity)
- RN 718625-97-9 CAPLUS
- CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

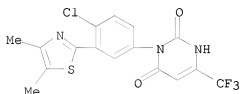
Double bond geometry as shown.



- RN 718626-08-5 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 718626-15-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,5-dimethyl-2-thiazolyl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



IT 718625-98-0P 718625-99-1P 718626-00-7P  
 718626-01-8P 718626-02-9P 718626-03-0P  
 718626-04-1P 718626-05-2P 718626-06-3P  
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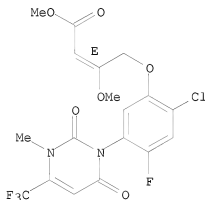
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of new uracils having a herbicidal activity)

RN 718625-98-0 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

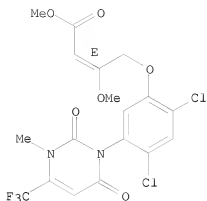
Double bond geometry as shown.



RN 718625-99-1 CAPLUS

CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

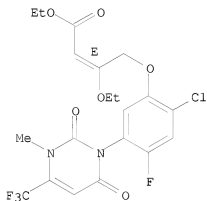
Double bond geometry as shown.



RN 718626-00-7 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

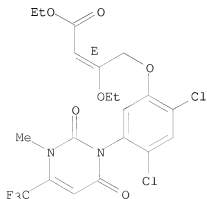
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RN 718626-01-8 CAPLUS

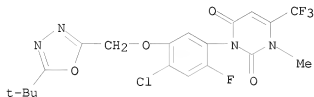
CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



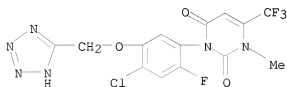
RN 718626-02-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2-yl]methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



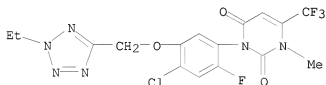
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-tetrazol-5-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



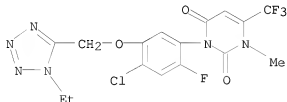
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-ethyl-2H-tetrazol-5-yl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



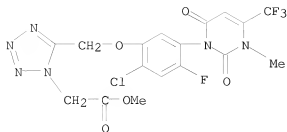
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1-ethyl-1H-tetrazol-5-yl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



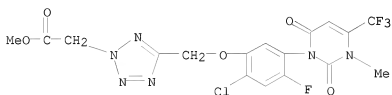
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CN 1H-Tetrazole-1-acetic acid, 5-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



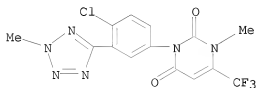
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CN 2H-Tetrazole-2-acetic acid, 5-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



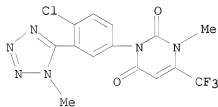
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



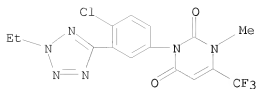
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-methyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



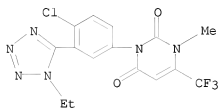
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-ethyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



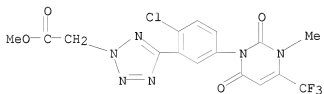
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-ethyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



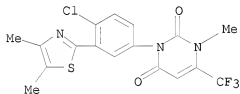
RN 718626-13-2 CAPLUS

CN 2H-Tetrazole-2-acetic acid, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)



RN 718626-16-5 CAPLUS

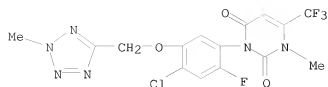
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,5-dimethyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



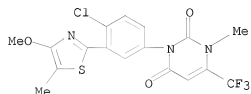
RN 718626-17-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

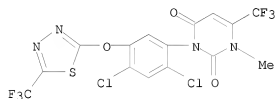




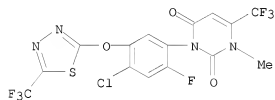
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RN 718626-19-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

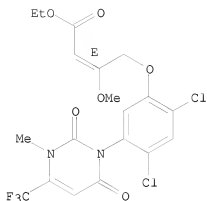


RN 718626-20-1 CAPLUS  
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RN 718626-21-2 CAPLUS  
 CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, ethyl ester, (2E)- (CA INDEX NAME)

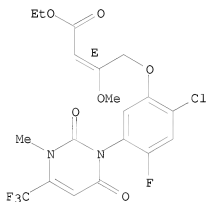
Double bond geometry as shown.



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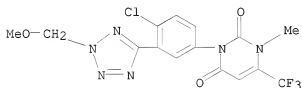
CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



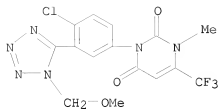
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(methoxymethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



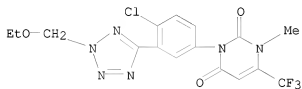
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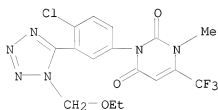
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(ethoxymethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



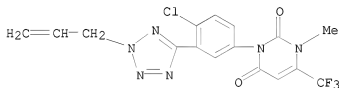
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(ethoxymethyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



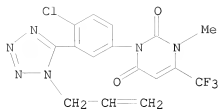
RN 718626-27-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(2-propenyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



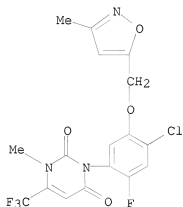
RN 718626-28-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(2-propenyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



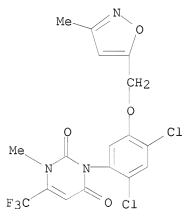
RN 718626-29-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-methyl-5-isoxazolyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



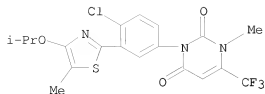
RN 718626-30-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(3-methyl-5-isoxazolyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

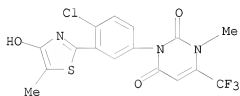


RN 718626-31-4 CAPLUS

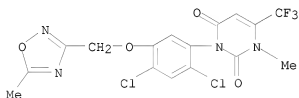
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[5-methyl-4-(1-methylethoxy)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



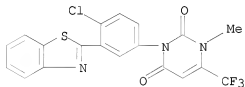
RN 718626-32-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-hydroxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



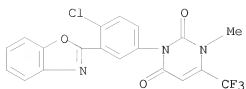
RN 718626-33-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(5-methyl-1,2,4-oxadiazol-3-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-34-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[3-(2-benzothiazolyl)-4-chlorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

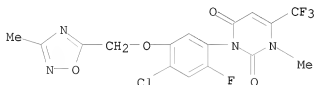


RN 718626-35-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[3-(2-benzoxazolyl)-4-chlorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



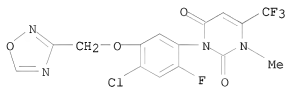
RN 718626-36-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-methyl-1,2,4-oxadiazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



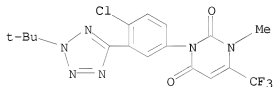
RN 718626-37-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1,2,4-oxadiazol-3-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



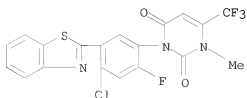
RN 718626-38-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(1,1-dimethylethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

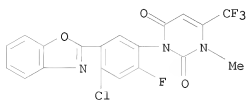


RN 718626-39-2 CAPLUS

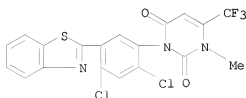
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-benzothiazolyl)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



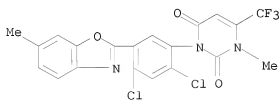
RN 718626-40-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-benzoxazolyl)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



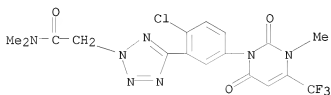
RN 718626-41-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-benzothiazolyl)-2,4-dichlorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



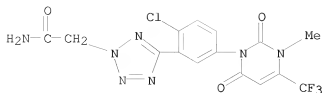
RN 718626-42-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(6-methyl-2-benzoxazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-43-8 CAPLUS  
 CN 2H-Tetrazole-2-acetamide, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N,N-dimethyl- (CA INDEX NAME)

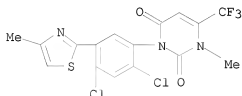


RN 718626-44-9 CAPLUS  
 CN 2H-Tetrazole-2-acetamide, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]- (CA INDEX NAME)



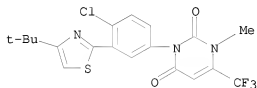
RN 718626-45-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(4-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



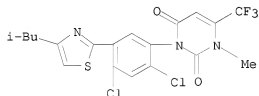
RN 718626-46-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4-(1,1-dimethylethyl)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-47-2 CAPLUS

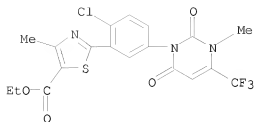
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(4-(2-methylpropyl)-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-48-3 CAPLUS

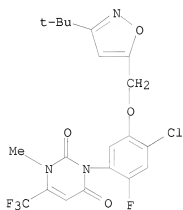
CN 5-Thiazolecarboxylic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-4-methyl-, ethyl ester (CA INDEX NAME)





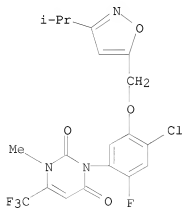
RN 718626-49-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidin-2-one, 3-[4-chloro-5-[[3-(1,1-dimethylethyl)-5-isoxazolyl]methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



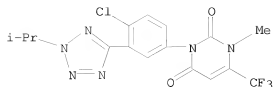
RN 718626-50-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidin-2-one, 3-[4-chloro-2-fluoro-5-[[3-(1-methylethyl)-5-isoxazolyl]methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



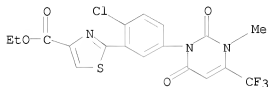
RN 718626-51-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidin-2-one, 3-[4-chloro-3-[2-(1-methylethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



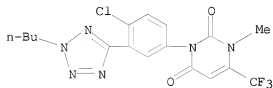
RN 718626-52-9 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, ethyl ester (CA INDEX NAME)



RN 718626-53-0 CAPLUS

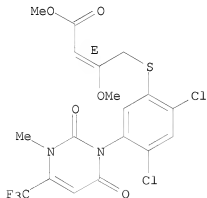
CN 2,4(1H,3H)-Pyrimidinedione, 3-[3-(2-butyl-2H-tetrazol-5-yl)-4-chlorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-54-1 CAPLUS

CN 2-Butenoic acid, 4-[[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]thio]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

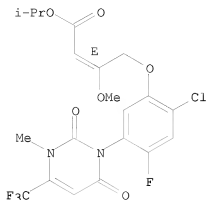
Double bond geometry as shown.



RN 718626-55-2 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, 1-methylethyl ester, (2E)- (CA INDEX NAME)

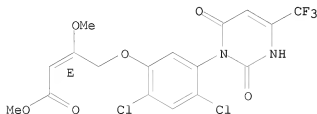
Double bond geometry as shown.



RN 718626-56-3 CAPLUS

CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

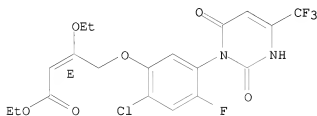
Double bond geometry as shown.



RN 718626-57-4 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

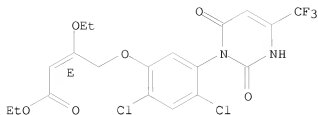
Double bond geometry as shown.



RN 718626-58-5 CAPLUS

CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

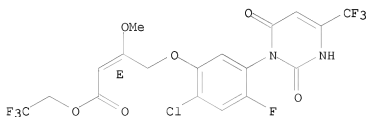
Double bond geometry as shown.



RN 718626-59-6 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, 2,2,2-trifluoroethyl ester, (2E)- (CA INDEX NAME)

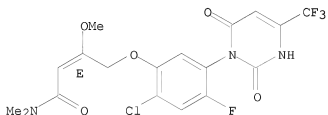
Double bond geometry as shown.



RN 718626-60-9 CAPLUS

CN 2-Butenamide, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

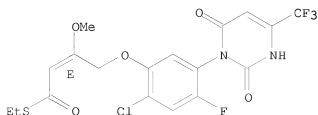
Double bond geometry as shown.



RN 718626-61-0 CAPLUS

CN 2-Butenethioic acid, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, S-ethyl ester, (2E)- (CA INDEX NAME)

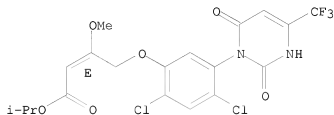
Double bond geometry as shown.



RN 718626-62-1 CAPLUS

CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, 1-methylethyl ester, (2E)- (CA INDEX NAME)

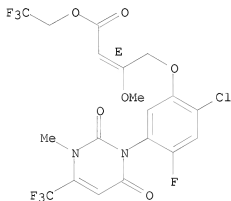
Double bond geometry as shown.



RN 718626-63-2 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, 2,2,2-trifluoroethyl ester, (2E)- (CA INDEX NAME)

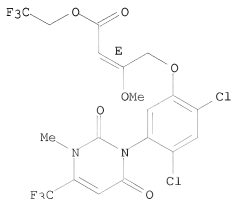
Double bond geometry as shown.



RN 718626-64-3 CAPLUS

CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, 2,2,2-trifluoroethyl ester, (2E)- (CA INDEX NAME)

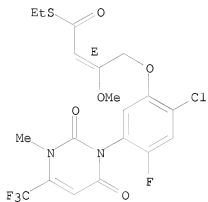
Double bond geometry as shown.



RN 718626-65-4 CAPLUS

CN 2-Butenethioic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, S-ethyl ester, (2E)- (CA INDEX NAME)

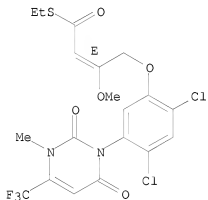
Double bond geometry as shown.



RN 718626-66-5 CAPLUS

CN 2-Butenethioic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, S-ethyl ester, (2E)- (CA INDEX NAME)

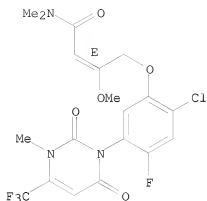
Double bond geometry as shown.



RN 718626-67-6 CAPLUS

CN 2-Butenamide, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

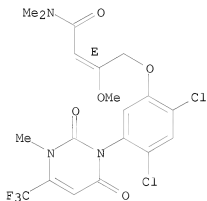
Double bond geometry as shown.



RN 718626-68-7 CAPLUS

CN 2-Butenamide, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

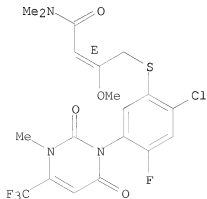
Double bond geometry as shown.



RN 718626-69-8 CAPLUS

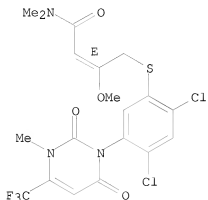
CN 2-Butenamide, 4-([2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio)-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

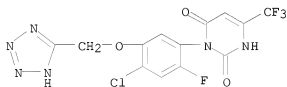


RN 718626-70-1 CAPLUS  
 CN 2-Butenamide, 4-[[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]thio]-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

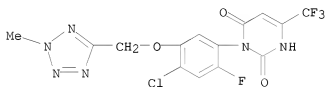
Double bond geometry as shown.



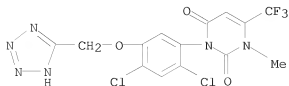
RN 718626-71-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-tetrazol-5-ylmethoxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 718626-72-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2H-tetrazol-5-yl)methoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

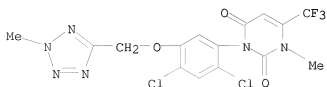


RN 718626-73-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1H-tetrazol-5-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

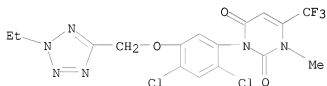




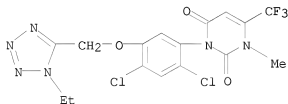
RN 718626-74-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(2-methyl-2H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



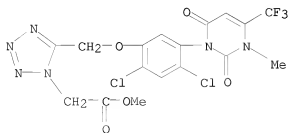
RN 718626-75-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(2-ethyl-2H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



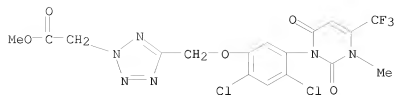
RN 718626-76-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(1-ethyl-1H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-77-8 CAPLUS  
 CN 1H-Tetrazole-1-acetic acid, 5-[[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]methyl]-, methyl ester (CA INDEX NAME)

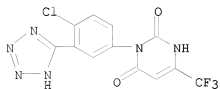


RN 718626-78-9 CAPLUS  
 CN 2H-Tetrazole-2-acetic acid, 5-[[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]methyl]-, methyl ester (CA INDEX NAME)



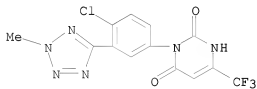
RN 718626-79-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



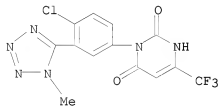
RN 718626-80-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-2H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



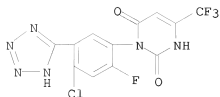
RN 718626-81-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-methyl-1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



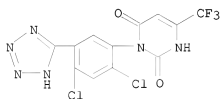
RN 718626-82-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



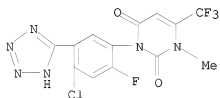
RN 718626-83-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



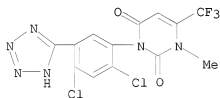
RN 718626-84-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



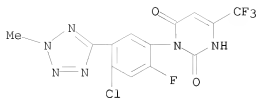
RN 718626-85-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



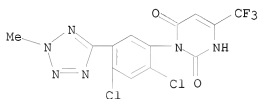
RN 718626-86-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methyl-2H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



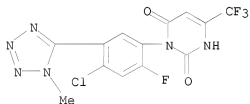
RN 718626-87-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(2-methyl-2H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



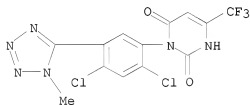
RN 718626-88-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



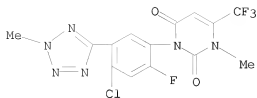
RN 718626-89-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



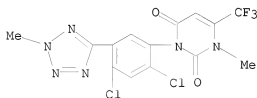
RN 718626-90-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



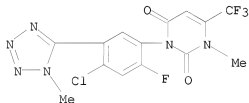
RN 718626-91-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(2-methyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



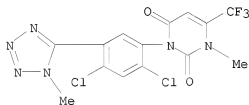
RN 718626-92-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



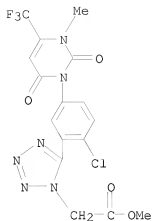
RN 718626-93-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



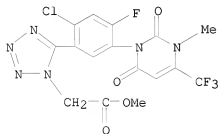
RN 718626-94-9 CAPLUS

CN 1H-Tetrazole-1-acetic acid, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)



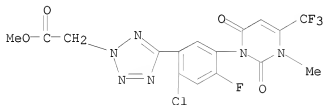
RN 718626-95-0 CAPLUS

CN 1H-Tetrazole-1-acetic acid, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, methyl ester (CA INDEX NAME)



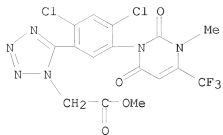
RN 718626-96-1 CAPLUS

CN 2H-Tetrazole-2-acetic acid, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, methyl ester (CA INDEX NAME)



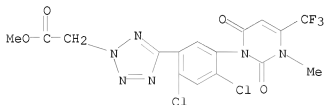
RN 718626-97-2 CAPLUS

CN 1H-Tetrazole-1-acetic acid, 5-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)



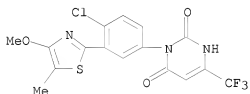
RN 718626-98-3 CAPLUS

CN 2H-Tetrazole-2-acetic acid, 5-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)



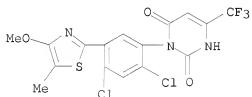
RN 718626-99-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



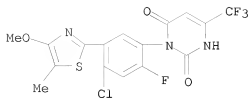
RN 718627-00-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

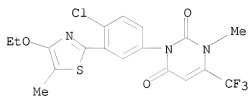


RN 718627-01-1 CAPLUS

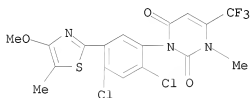
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



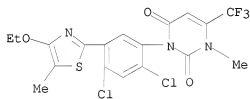
RN 718627-02-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-ethoxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-03-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

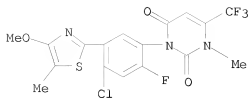


RN 718627-04-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(4-ethoxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

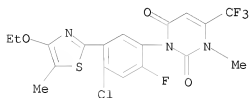


RN 718627-05-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

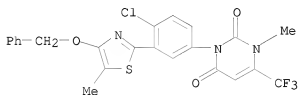




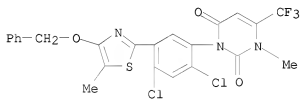
RN 718627-06-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(4-ethoxy-5-methyl-2-thiazolyl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



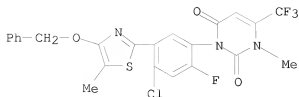
RN 718627-07-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[5-methyl-4-(phenylmethoxy)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-08-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[5-methyl-4-(phenylmethoxy)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

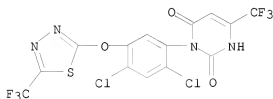


RN 718627-09-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[5-methyl-4-(phenylmethoxy)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



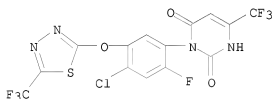
RN 718627-10-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



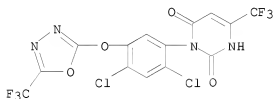
RN 718627-11-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



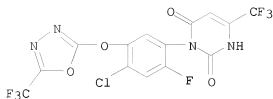
RN 718627-12-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[[5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

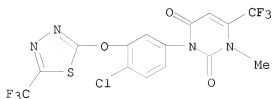


RN 718627-13-5 CAPLUS

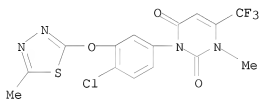
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



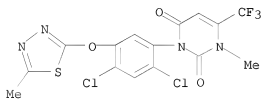
RN 718627-14-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



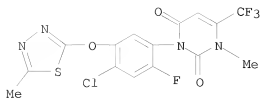
RN 718627-15-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[[5-methyl-1,3,4-thiadiazol-2-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



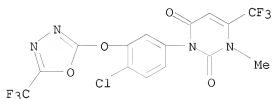
RN 718627-16-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[[5-methyl-1,3,4-thiadiazol-2-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



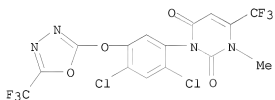
RN 718627-17-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[5-methyl-1,3,4-thiadiazol-2-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



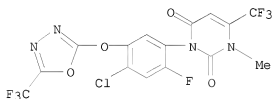
RN 718627-18-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[[5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



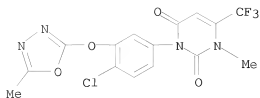
RN 718627-19-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[[5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-20-4 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

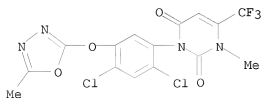


RN 718627-21-5 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[[5-methyl-1,3,4-oxadiazol-2-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



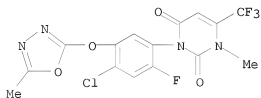
RN 718627-22-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(5-methyl-1,3,4-oxadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-23-7 CAPLUS

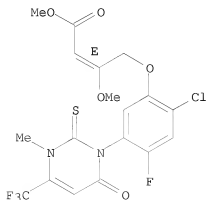
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-methyl-1,3,4-oxadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-24-8 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-6-oxo-2-thioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

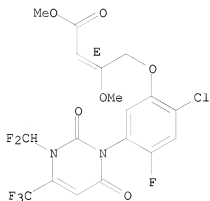
Double bond geometry as shown.



RN 718627-25-9 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3-(difluoromethyl)-3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

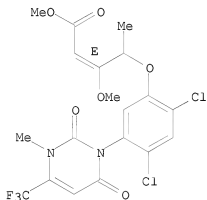
Double bond geometry as shown.



RN 718627-26-0 CAPLUS

CN 2-Pentenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

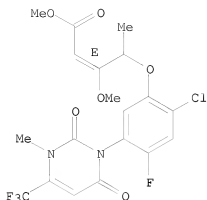
Double bond geometry as shown.



RN 718627-27-1 CAPLUS

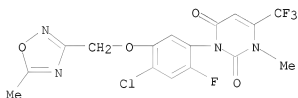
CN 2-Pentenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



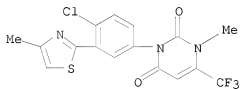
RN 718627-28-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-methyl-1,2,4-oxadiazol-3-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



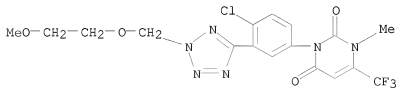
RN 718627-29-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



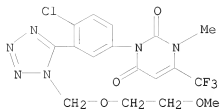
RN 718627-30-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[(2-methoxyethoxy)methyl]-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



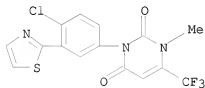
RN 718627-31-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-[(2-methoxyethoxy)methyl]-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



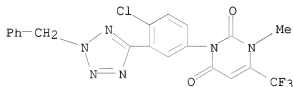
RN 718627-32-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



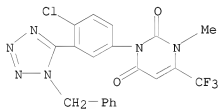
RN 718627-33-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(phenylmethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-34-0 CAPLUS

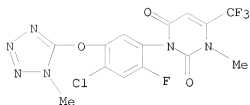
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(phenylmethyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-35-1 CAPLUS

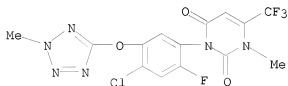
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-1H-tetrazol-5-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)





RN 718627-36-2 CAPLUS

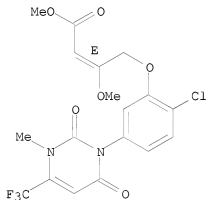
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2H-tetrazol-5-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-38-4 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

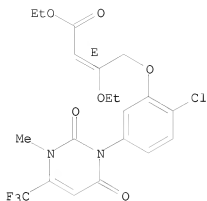
Double bond geometry as shown.



RN 718627-40-8 CAPLUS

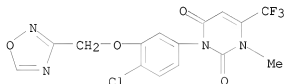
CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



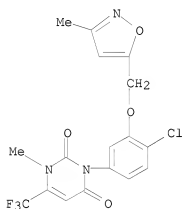
RN 718627-42-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidin-2-one, 3-[4-chloro-3-(1,2,4-oxadiazol-3-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



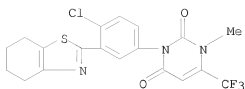
RN 718627-44-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidin-2-one, 3-[4-chloro-3-[(3-methyl-5-isoxazolyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



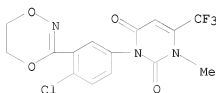
RN 718627-46-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidin-2-one, 3-[4-chloro-3-(4,5,6,7-tetrahydro-2-benzothiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



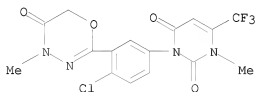
RN 718627-48-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(5,6-dihydro-1,4,2-dioxazin-3-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



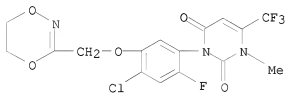
RN 718627-50-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(5,6-dihydro-4-methyl-5-oxo-4H-1,3,4-oxadiazin-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



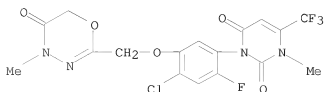
RN 718627-52-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5,6-dihydro-1,4,2-dioxazin-3-yl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



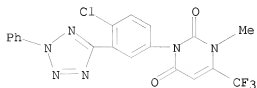
RN 718627-54-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5,6-dihydro-4-methyl-5-oxo-4H-1,3,4-oxadiazin-2-yl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



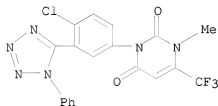
RN 718627-55-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-phenyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



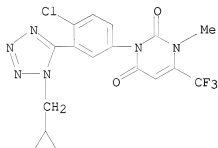
RN 718627-57-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-phenyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



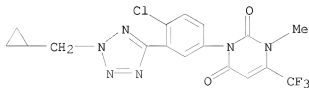
RN 718627-58-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(cyclopropylmethyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



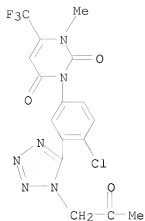
RN 718627-59-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(cyclopropylmethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



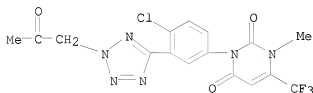
RN 718627-60-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(2-oxopropyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



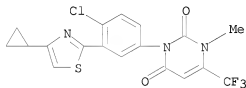
RN 718627-61-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(2-oxopropyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



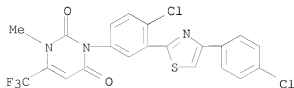
RN 718627-62-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-cyclopropyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



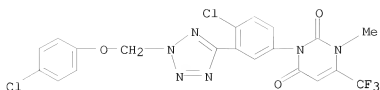
RN 718627-63-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4-(4-chlorophenyl)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



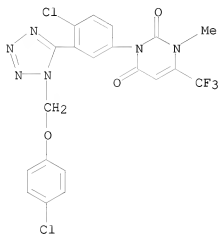
RN 718627-64-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-[(4-chlorophenoxy)methyl]-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



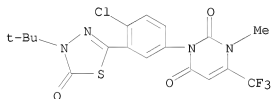
RN 718627-65-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-[(4-chlorophenoxy)methyl]-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



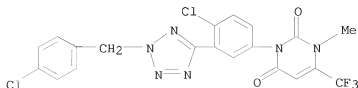
RN 718627-66-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4-(1,1-dimethylethyl)-4,5-dihydro-5-oxo-1,3,4-thiadiazol-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



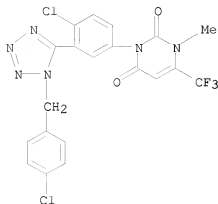
RN 718627-67-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-[(4-chlorophenyl)methyl]-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



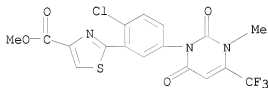
RN 718627-68-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-[(4-chlorophenyl)methyl]-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



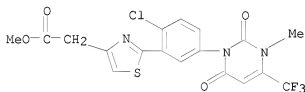
RN 718627-69-1 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)



RN 718627-70-4 CAPLUS

CN 4-Thiazoleacetic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)

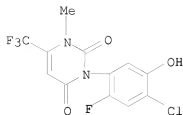


IT 114136-60-6

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of new uracils having a herbicidal activity)

RN 114136-60-6 CAPLUS

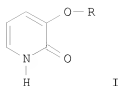
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 5 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:2858 CAPLUS  
 DOCUMENT NUMBER: 140:42035  
 TITLE: Preparation of phenoxy-substituted 2-pyridone compounds  
 INVENTOR(S): Furukawa, Takashi; Matsuo, Noritada; Tohyama, Yoshitomo  
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan  
 SOURCE: PCT Int. Appl., 23 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE                                 | APPLICATION NO. | DATE       |
|------------------------|--|--------------------------------------|-----------------|------------|
| WO 2004000812          | A1   | 20031231                             | WO 2003-JP7843  | 20030620   |
| W:                     | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |                                      |                 |            |
| RW:                    | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |                                      |                 |            |
| CA 2485542             | A1   | 20031231                             | CA 2003-2485542 | 20030620   |
| AU 2003242489          | A1   | 20040106                             | AU 2003-242489  | 20030620   |
| BR 2003012100          | A  | 20050329                             | BR 2003-12100   | 20030620   |
| EP 1538145             | A1   | 20050608                             | EP 2003-733526  | 20030620   |
| R:                     | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK   |                                      |                 |            |
| CN 1662503             | A  | 20050831                             | CN 2003-814135  | 20030620   |
| RU 2300526             | C2   | 20070610                             | RU 2005-101628  | 20030620   |
| JP 2004083571          | A  | 20040318                             | JP 2003-179156  | 20030624   |
| US 2005154210          | A1   | 20050714                             | US 2004-513373  | 20041103   |
| US 7189855             | B2   | 20070313                             |                 |            |
| ZA 2004008932          | A  | 20060426                             | ZA 2004-8932    | 20041104   |
| MX 2004PA12202         | A  | 20050303                             | MX 2004-PA12202 | 20041206   |
| IN 2004CN02900         | A  | 20060217                             | IN 2004-CN2900  | 20041221   |
| PRIORITY APPLN. INFO.: |  |                                      | JP 2002-184105  | A 20020625 |
|                        |  |                                      | WO 2003-JP7843  | W 20030620 |
| OTHER SOURCE(S):       |  | CASREACT 140:42035; MARPAT 140:42035 |                 |            |
| GI                     |  |                                      |                 |            |





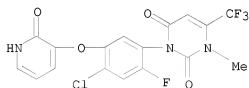
AB 3-Phenoxy-2-pyridone compds. I (R = Ph, substituted Ph), useful as herbicide intermediates, can be produced by reacting MeCOCH(OR)COMe with a malonaldehyde derivative such as 3-alkoxypropenal in the presence of a protonic acid. Thus, reaction of 3-oxo-2-phenoxybutyramide with 1,1,3,3-tetramethoxypropane in HOAc in the presence of HBr gave 3-phenoxy-2-pyridone.

IT 497866-09-8P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
(preparation of phenoxyypyridones)

RN 497866-09-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,2-dihydro-2-oxo-3-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

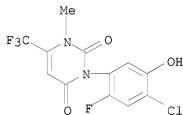


IT 114136-60-6

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of phenoxyypyridones)

RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

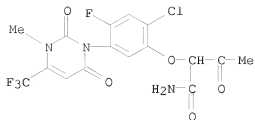


IT 637001-82-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of phenoxyypyridones)

RN 637001-82-2 CAPLUS

CN Butanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-oxo- (CA INDEX NAME)



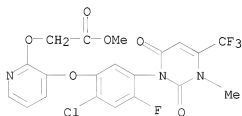
IT 353292-14-5P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of phenoxypyridones)

RN 353292-14-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9C1) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 91 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2003:950757 CAPLUS

DOCUMENT NUMBER: 139:392524

TITLE: Preparation of phenyluracil derivatives as herbicides and arthropod-control agents

INVENTOR(S): Schwarz, Hans-Georg; Andree, Roland; Hoischen, Dorothee; Linker, Karl-Heinz; Drewes, Mark Wilhelm; Dahmen, Peter; Feucht, Dieter; Pontzen, Rolf

PATENT ASSIGNEE(S): Bayer CropScience AG, Germany

SOURCE: PCT Int. Appl., 63 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

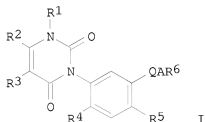
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.    | KIND   | DATE     | APPLICATION NO. | DATE     |
|---------------|--|----------|-----------------|----------|
| WO 2003099009 | A1   | 20031204 | WO 2003-EP5160  | 20030516 |
| W:            | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                 |          |
| RW:           | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |

|  |                   |          |                  |            |
|--|-------------------|----------|------------------|------------|
| DE 10223914  | A1                | 20031211 | DE 2002-10223914 | 20020529   |
| IN 2003MU00471   | A                 | 20050211 | IN 2003-MU471    | 20030512   |
| CA 2487781   | A1                | 20031204 | CA 2003-2487781  | 20030516   |
| AU 2003240662  | A1                | 20031212 | AU 2003-240662   | 20030516   |
| EP 1511383   | A1                | 20050309 | EP 2003-730057   | 20030516   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, |                   |          |                  |            |
| IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK         |                   |          |                  |            |
| BR 2003011567  | A                 | 20050412 | BR 2003-11567    | 20030516   |
| MX 2004PA11823   | A                 | 20050331 | MX 2004-PA11823  | 20041126   |
| US 2005288185  | A1                | 20051229 | US 2005-515516   | 20050711   |
| PRIORITY APPLN. INFO.:   |                   |          | DE 2002-10223914 | A 20020529 |
|  |                   |          | WO 2003-EP5160   | W 20030516 |
| OTHER SOURCE(S):   | MARPAT 139:392524 |          |                  |            |
| GI   |                   |          |                  |            |

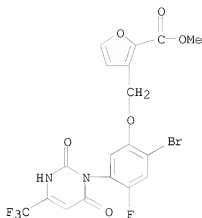


AB The phenyluracil derivs. I [A = alkanediyl, alkenediyl or alkynediyl; Q = O, S, So or SO<sub>2</sub>; R<sub>1</sub> = H, amino or (un)substituted alkyl; , R<sub>2</sub> = carboxy, cyano, carbamoyl, thiocarbamoyl or (un)substituted alkyl; R<sub>3</sub> = H, halo or (halo)alkyl; R<sub>4</sub> = H, cyano, carbamoyl, thiocarbamoyl or halo; R<sub>5</sub> = nitro, cyano, carbamoyl, thiocarbamoyl, halo or (un)substituted alkyl; R<sub>6</sub> = (un)substituted heterocyclyl] are prepared as herbicides and arthropod-control agents.

IT 626228-94-2P 626228-98-6P 626229-02-5P  
626229-06-9P 626229-10-5P 626229-12-7P  
626229-13-8P 626229-14-9P 626229-17-2P  
626229-21-8P 626229-24-1P 626229-25-2P  
626229-27-4P 626229-29-6P 626229-31-0P  
626229-33-2P 626229-37-6P 626229-41-2P  
626229-45-6P 626229-52-5P 626229-55-8P  
626229-57-0P 626229-59-2P 626229-61-6P  
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation as herbicide and arthropod-control agent)

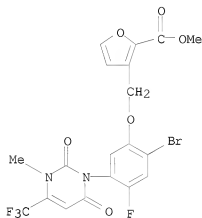
RN 626228-94-2 CAPLUS

CN 2-Furancarboxylic acid, 3-[[2-bromo-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



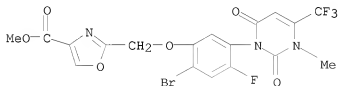
RN 626228-98-6 CAPLUS

CN 2-Furancarboxylic acid, 3-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



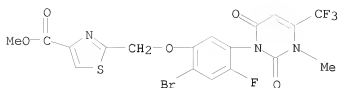
RN 626229-02-5 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



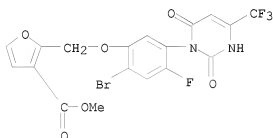
RN 626229-06-9 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



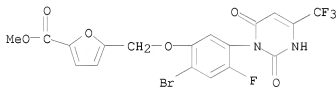
RN 626229-10-5 CAPLUS

CN 3-Furancarboxylic acid, 2-[[2-bromo-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



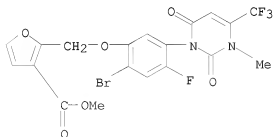
RN 626229-12-7 CAPLUS

CN 2-Furancarboxylic acid, 5-[[2-bromo-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



RN 626229-13-8 CAPLUS

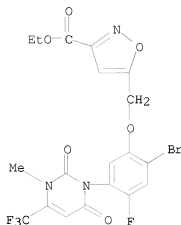
CN 3-Isoxazolecarboxylic acid, 5-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



RN 626229-14-9 CAPLUS

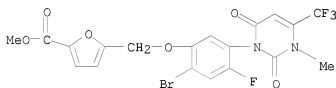
CN 3-Isoxazolecarboxylic acid, 5-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, ethyl ester (CA INDEX NAME)

ester (CA INDEX NAME)



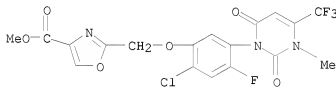
RN 626229-17-2 CAPLUS

CN 2-Furancarboxylic acid, 5-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



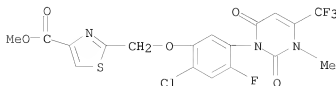
RN 626229-21-8 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



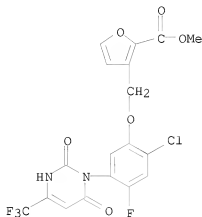
RN 626229-24-1 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



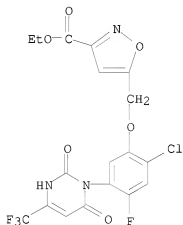
RN 626229-25-2 CAPLUS

CN 2-Furancarboxylic acid, 3-[[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



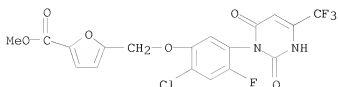
RN 626229-27-4 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-[[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, ethyl ester (CA INDEX NAME)



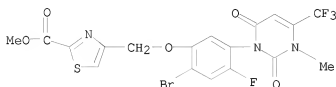
RN 626229-29-6 CAPLUS

CN 2-Furancarboxylic acid, 5-[[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



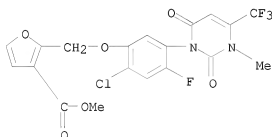
RN 626229-31-0 CAPLUS

CN 2-Thiazolocarboxylic acid, 4-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



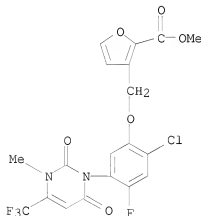
RN 626229-33-2 CAPLUS

CN 3-Furancarboxylic acid, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



RN 626229-37-6 CAPLUS

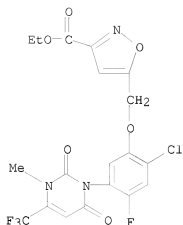
CN 2-Furancarboxylic acid, 3-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



RN 626229-41-2 CAPLUS

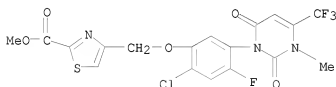
CN 3-Isoxazolecarboxylic acid, 5-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, ethyl ester (CA INDEX NAME)





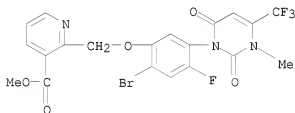
RN 626229-45-6 CAPLUS

CN 2-Thiazolecarboxylic acid, 4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



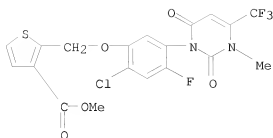
RN 626229-52-5 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



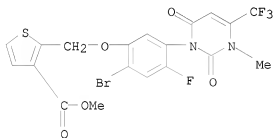
RN 626229-55-8 CAPLUS

CN 3-Thiophenecarboxylic acid, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



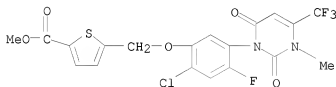
RN 626229-57-0 CAPLUS

CN 3-Thiophenecarboxylic acid, 2-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



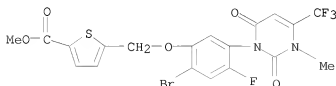
RN 626229-59-2 CAPLUS

CN 2-Thiophenecarboxylic acid, 5-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



RN 626229-61-6 CAPLUS

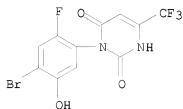
CN 2-Thiophenecarboxylic acid, 5-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



IT 216988-80-6

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reactant in preparation of phenyluracil derivative)

RN 216988-80-6 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)

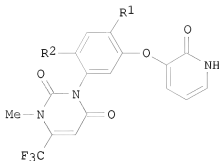


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

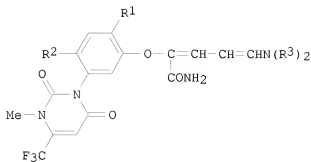
L3 ANSWER 7 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2003:883061 CAPLUS  
DOCUMENT NUMBER: 139:350752  
TITLE: Method for preparation of 2-pyridone derivative  
INVENTOR(S): Toyama, Yoshitomo  
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO.                        | DATE     |
|------------------------|------|----------|--|----------|
| JP 2003321468          | A    | 20031111 | JP 2002-127972                         | 20020430 |
| PRIORITY APPLN. INFO.: |      |          | JP 2002-127972                         | 20020430 |
| OTHER SOURCE(S):       |      |          | CASREACT 139:350752; MARPAT 139:350752 |          |

GI



I



II

AB 3-[3-(3-Methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-pyridone derivative (I; R1 = halo, cyano, NO2; R2 = H, halo) is prepared by cyclization of [(tetrahydropyrimidinyl)phenoxy](aminopropenylidene)acetamide (diene compound) (II; R1, R2 = same as above; R3 = C1-3 alkyl) in the presence of an aliphatic acid, in particular acetic acid. The compound I is useful as an intermediate for herbicide. Thus, 0.2 g 2-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]acetamide was dissolved in 5 mL THF, treated with 0.04 g NaH (60% in oil) at 0°, stirred at room temperature for 20 min, cooled to 0°, treated with 0.18 g 1,1,5,5-tetramethyl-1,5-diazapentadienium chloride, and stirred at room temperature for 3 h to give,

after workup and silica gel chromatog., 0.055 g II (R1 = Cl, R2 = F, R3 = Me). A mixture of the latter compound (0.05 g) and 0.2 mL AcOH was stirred at 40-60° for 2 h to give, after workup and silica gel chromatog., 0.022 g I (R1 = Cl, R2 = F).

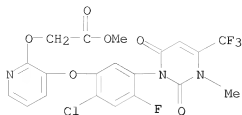
IT 353292-14-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

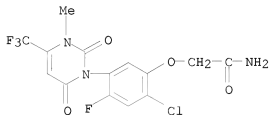
(preparation of [(tetrahydropyrimidinyl)phenoxy]pyridone derivative by cyclization of [(tetrahydropyrimidinyl)phenoxy](aminopropenylidene)acetamide in presence of acetic acid)

RN 353292-14-5 CAPLUS

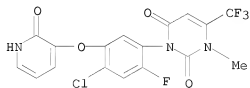
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



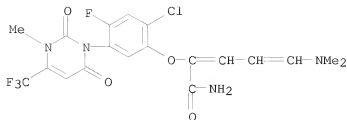
IT 114183-68-5, 2-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]acetamide  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of [(tetrahydropyrimidinyl)phenoxy]pyridone derivative by cyclization of [(tetrahydropyrimidinyl)phenoxy](aminopropenylidene)acetamide in presence of acetic acid)  
 RN 114183-68-5 CAPLUS  
 CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



IT 497866-09-8P 618120-34-6P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of [(tetrahydropyrimidinyl)phenoxy]pyridone derivative by cyclization of [(tetrahydropyrimidinyl)phenoxy](aminopropenylidene)acetamide in presence of acetic acid)  
 RN 497866-09-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,2-dihydro-2-oxo-3-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 618120-34-6 CAPLUS  
 CN 2,4-Pentadienamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-(dimethylamino)- (CA INDEX NAME)



L3 ANSWER 8 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:793597 CAPLUS

DOCUMENT NUMBER: 139:307783

TITLE: Preparation of pyridones as intermediates for uracil herbicides

INVENTOR(S): Toyama, Yoshitomo

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

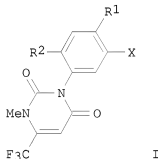
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.                                 | KIND              | DATE     | APPLICATION NO. | DATE     |
|--|-------------------|----------|-----------------|----------|
| JP 2003286285                              | A                 | 20031010 | JP 2002-88576   | 20020327 |
| PRIORITY APPLN. INFO.:<br>OTHER SOURCE(S): | MARPAT 139:307783 |          | JP 2002-88576   | 20020327 |

GI



AB Pyridones I (R1 = halo, cyano, NO2; R2 = H, halo; X = 1H-pyridin-2-on-3-yl) are prepared by reaction of I (X = OCH2CN) with (R3)2NCH:CHCH:N+(R3)2.A- (R3 = C1-3 alkyl; A = halo) and cyclization of I [X = OC(CN):CHCH:CHN(R3)2; R3 = same as above] using polyphosphoric acid. I [R1 = Cl, R2 = F, X = OC(CN):CHCH:CHNMe2] (0.1 g) was treated with polyphosphoric acid at 100-120° for 1 h to give 0.082 g I (R1 = Cl, R2 = F, X = 1H-pyridin-2-on-3-yl), which was converted into herbicidal I [R1 = Cl, R2 = F, X = 2-(methoxycarbonylmethoxy)pyridin-3-yl].

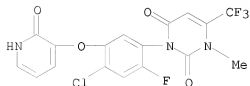
IT 497866-09-8P 610275-07-5P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of pyridones as intermediates for uracil herbicides)

RN 497866-09-8 CAPLUS

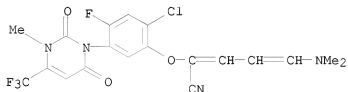
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,2-dihydro-2-oxo-3-

pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 610275-07-5 CAPLUS

CN 2,4-Pentadienenitrile, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-(dimethylamino)- (CA INDEX NAME)



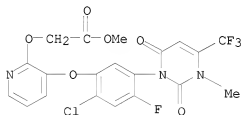
IT 353292-14-5P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(preparation of pyridones as intermediates for uracil herbicides)

RN 353292-14-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



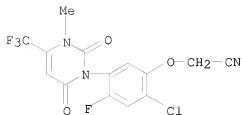
IT 114170-03-5

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of pyridones as intermediates for uracil herbicides)

RN 114170-03-5 CAPLUS

CN Acetonitrile, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (9CI) (CA INDEX NAME)



L3 ANSWER 9 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:777439 CAPLUS

DOCUMENT NUMBER: 139:292261

TITLE: Process for preparation of herbicidal pyrimidinyl carbonyl hydrazones

INVENTOR(S): Kanamori, Fumio; Tsukamoto, Masamitsu

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan

SOURCE: U.S. Pat. Appl. Publ., 13 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

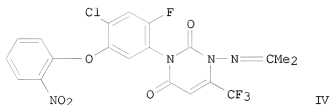
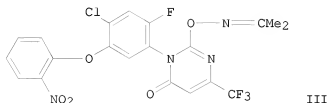
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

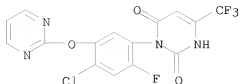
PATENT INFORMATION:

| PATENT NO.             | KIND | DATE              | APPLICATION NO. | DATE     |
|------------------------|------|-------------------|-----------------|----------|
| US 2003187264          | A1   | 20031002          | US 2001-983835  | 20011026 |
| US 6806367             | B2   | 20041019          |                 |          |
| PRIORITY APPLN. INFO.: |      |                   | US 2001-983835  | 20011026 |
| OTHER SOURCE(S):       |      | MARPAT 139:292261 |                 |          |
| GI                     |      |                   |                 |          |



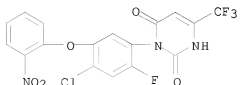


- AB This invention relates to a method for producing the title compds. I (R1 and R2 = H, unsubstituted or substituted alkyl, unsubstituted or substituted alkenyl, unsubstituted or substituted alkynyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, OR3 , SR3 , COR3 , CO2R3 or cyano; R1 and R2 may combine together with the adjacent carbon atom =CR1R2 to form an unsubstituted or substituted cyclic ring; R3 = substituted alkyl, unsubstituted or substituted alkenyl, unsubstituted or substituted alkynyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl; R4 and R5 = H, unsubstituted or substituted alkyl, unsubstituted or substituted alkenyl, unsubstituted or substituted alkynyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, NR6R7, OR8 or SR9; R6-R9 = H, unsubstituted or substituted alkyl, unsubstituted or substituted alkenyl, unsubstituted or substituted alkynyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, etc.; R4 and R5 may combine together with the adjacent skeleton of C/N bond to form a heterocyclic ring) and their salts by rearrangement of II or their salts. Thus, the 2-[(1-methylethylidene)aminoxy]-4(3H)pyrimidinone III was heated at 170° for 1 h to give the 1-[(1-methylethylidene)amino]-2,4(1H,3H)-pyrimidinedione IV.
- IT 213676-29-0 213676-33-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of herbicidal pyrimidinyl carbonyl hydrazones)
- RN 213676-29-0 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-pyrimidinylloxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-33-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:532315 CAPLUS

DOCUMENT NUMBER: 139:80704

TITLE: Preparation of aryl ether derivatives as herbicides and desiccants

INVENTOR(S): Gupta, Sandeep; Tsukamoto, Masamitsu; Read, Mark

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan

SOURCE: U.S. Pat. Appl. Publ., 25 pp., Cont.-in-part of U.S.

Ser. No. 970,220, abandoned.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

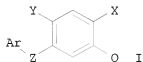
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| US 2003130122   | A1   | 20030710 | US 2001-1816    | 20011205 |
| US 6613718  | B2   | 20030902 |                 |          |
| CA 2461976  | A1   | 20030410 | CA 2002-2461976 | 20020906 |
| WO 2003029225   | A1   | 20030410 | WO 2002-US25963 | 20020906 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| AU 2002331587   | A1   | 20030414 | AU 2002-331587  | 20020906 |
| EP 1432692  | A1   | 20040630 | EP 2002-768561  | 20020906 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK   |      |          |                 |          |
| BR 2002013023   | A    | 20050118 | BR 2002-13023   | 20020906 |
| HU 2004002295   | A2   | 20050228 | HU 2004-2295    | 20020906 |

|                        |    |          |                 |             |
|------------------------|----|----------|-----------------|-------------|
| CN 1599727             | A  | 20050323 | CN 2002-824000  | 20020906    |
| JP 2005508929          | T  | 20050407 | JP 2003-532475  | 20020906    |
| US 2003195118          | A1 | 20031016 | US 2003-376621  | 20030303    |
| US 6927193             | B2 | 20050809 |                 |             |
| MX 2004PA03159         | A  | 20040708 | MX 2004-PA3159  | 20040401    |
| US 2004267014          | A1 | 20041230 | US 2004-491337  | 20040820    |
| PRIORITY APPLN. INFO.: |    |          | US 2001-970220  | B2 20011001 |
|                        |    |          | US 2001-1816    | A 20011205  |
|                        |    |          | WO 2002-US25963 | W 20020906  |

OTHER SOURCE(S): MARPAT 139:80704  
GI

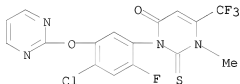


AB The aryl ether derivs. I [X,Y = H, halo, cyano, nitro, haloalkyl, or haloalkoxy; Z = O or S; Q = Q1-6; A = O, S, or NH; R1 = H, alkyl, haloalkyl or amino; R2, R3 = H, halo, cyano, nitro, alkyl, haloalkyl, alkenyl, haloalkenyl or (un)substituted amino; Ar = (un)substituted carbocyclic or heterocyclic aromatic ring, optionally fused with another ring] are prepared as herbicides and desiccants.

IT 507448-61-5P 507448-81-9P  
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation as herbicide and desiccant)

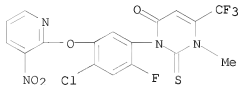
RN 507448-61-5 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-(2-pyrimidinyl-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



RN 507448-81-9 CAPLUS

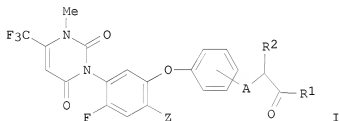
CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 11 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2003:424440 CAPLUS  
DOCUMENT NUMBER: 139:2382  
TITLE: Synergistic broad-spectrum herbicide compositions and

INVENTOR(S): control of weeds with them  
Nishio, Shoichi  
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.   | KIND | DATE            | APPLICATION NO. | DATE       |
|--|------|-----------------|-----------------|------------|
| JP 2003160415  | A    | 20030603        | JP 2001-363955  | 20011129   |
| CA 2468325   | A1   | 20030605        | CA 2002-2468325 | 20020426   |
| WO 2003045148  | A1   | 20030605        | WO 2002-JP4196  | 20020426   |
| <p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW</p> <p>RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG</p> |      |                 |                 |            |
| AU 2002253604  | A1   | 20030610        | AU 2002-253604  | 20020426   |
| EP 1470753   | A1   | 20041027        | EP 2002-722809  | 20020426   |
| EP 1470753   | B1   | 20070613        |                 |            |
| <p>R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR</p>   |      |                 |                 |            |
| US 2288188   | T3   | 20080101        | US 2002-2722809 | 20020426   |
| US 2005014648  | A1   | 20050120        | US 2004-496637  | 20040525   |
| PRIORITY APPLN. INFO.:   |      |                 | JP 2001-363955  | A 20011129 |
|  |      |                 | WO 2002-JP4196  | W 20020426 |
| OTHER SOURCE(S):   |      | MARPAT 139:2382 |                 |            |
| GI   |      |                 |                 |            |



AB The compns. contain N-heterocyclic compds. I (Z = halo, cyano; A = O, S, NH; R1 = OH, C1-7 alkoxy, C3-7 alkenyloxy, C3-7 alkynyloxy, C5-7 cycloalkoxy, etc.; R2 = H, Me) and Et 2-(4-chloro-6-methoxypyrimidin-2-yl)carbamoylsulfamoyl)benzoate (chlorimuron-Et). Concomitant application of I (A = O, Z = Cl, R1 = OMe, R2 = H) and chlorimuron-Et (Classic) at 5 and 5 g/ha, resp., completely controlled Cyperus esculentus and did not damage soybean plants. Formulation examples of wettable powders and suspensions are given.

IT 532952-31-1 532952-32-2 532952-33-3  
532952-34-4 532952-37-7 532952-38-8  
532952-39-9 532952-42-4 532952-43-5

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic broad-spectrum herbicide compns. containing N-heterocycles and chlorimuron-Et for weed control)

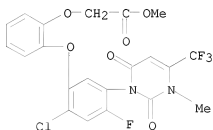
RN 532952-31-1 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

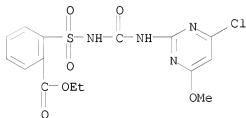
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



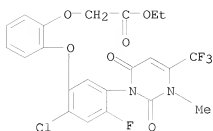
RN 532952-32-2 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

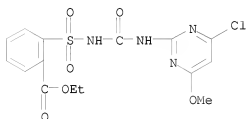
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



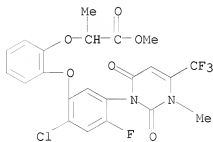
RN 532952-33-3 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino  
[sulfonyl]-, ethyl ester, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-  
3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-  
fluorophenoxyl]phenoxyl]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

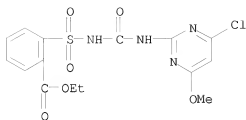
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



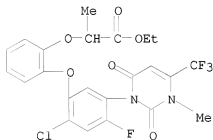
RN 532952-34-4 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

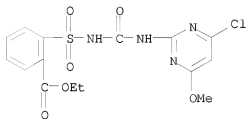
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



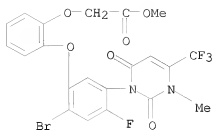
RN 532952-37-7 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

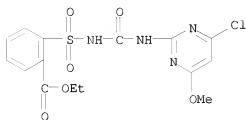
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



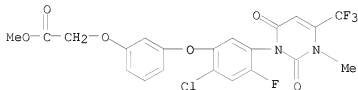
RN 532952-38-8 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

CMF C21 H15 Cl F4 N2 O6

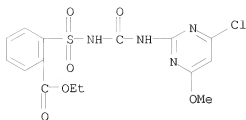


CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



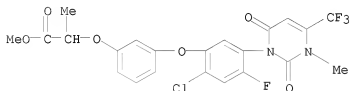


RN 532952-39-9 CAPLUS  
 CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl-, ethyl ester, mixt. with methyl 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5

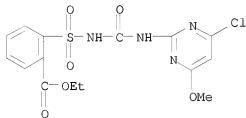
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S

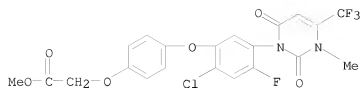


RN 532952-42-4 CAPLUS  
 CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl-, ethyl ester, mixt. with methyl 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9

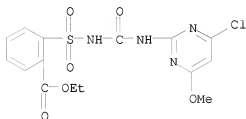
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



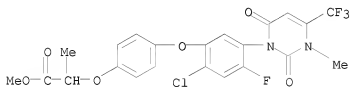
RN 532952-43-5 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with methyl 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

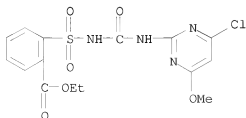
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 90982-32-4

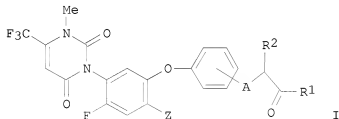
CMF C15 H15 Cl N4 O6 S



L3 ANSWER 12 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:422154 CAPLUS  
 DOCUMENT NUMBER: 139:2381  
 TITLE: Synergistic broad-spectrum herbicide compositions and control of weeds with them  
 INVENTOR(S): Nishio, Shoichi  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE       |
|---|------|----------|-----------------|------------|
| JP 2003160416   | A    | 20030603 | JP 2001-363956  | 20011129   |
| CA 2466725  | A1   | 20030605 | CA 2002-2466725 | 20020426   |
| WO 2003045149   | A1   | 20030605 | WO 2002-JP4197  | 20020426   |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW<br>RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG |      |          |                 |            |
| AU 2002253605   | A1   | 20030610 | AU 2002-253605  | 20020426   |
| EP 1459628  | A1   | 20040922 | EP 2002-722810  | 20020426   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |      |          |                 |            |
| US 2005153840   | A1   | 20050714 | US 2004-496651  | 20040525   |
| PRIORITY APPLN. INFO.:  |      |          | JP 2001-363956  | A 20011129 |
|   |      |          | WO 2002-JP4197  | W 20020426 |

OTHER SOURCE(S): MARPAT 139:2381  
 GI



AB The comps. contain N-heterocyclic compds. I (Z = halo, cyano; A = O, S, NH; R1 = OH, C1-7 alkoxy, C3-7 alkenyloxy, C3-7 alkynyloxy, C5-7 cycloalkoxy, etc.; R2 = H, Me) and (RS)-5-ethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid (imazethapyr) and/or 2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methoxymethylnicotinic acid (imazamox). Concomitant application of I (A = O, Z = Cl, R1 = OMe, R2 = H) and imazethapyr (Pursuit) at 5 and 80 g/ha, resp., completely

controlled *Cyperus esculentus* and did not damage soybean plants.  
Formulation examples of wettable powders and suspensions are given.

IT 532976-28-6 532976-29-7 532976-30-0  
532976-31-1 532976-35-5 532976-36-6  
532976-37-7 532976-40-2 532976-41-3  
532976-44-6 532976-45-7 532976-46-8  
532976-47-9 532976-50-4 532976-51-5  
532976-52-6 532976-55-9 532976-57-1  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
(Biological study); USES (Uses)  
(synergistic broad-spectrum herbicide compns. containing N-heterocycles and  
substituted nicotinic acids for weed control)

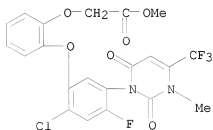
RN 532976-28-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-  
1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-  
3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-  
fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

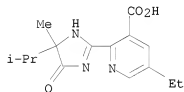
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



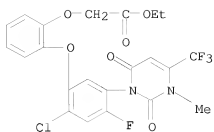
RN 532976-29-7 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-  
1H-imidazol-2-yl]-5-ethyl-, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-  
methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-  
fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

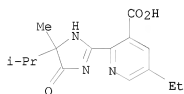
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



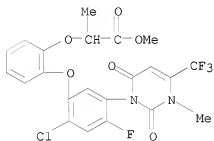
RN 532976-30-0 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

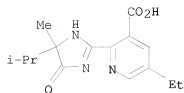
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



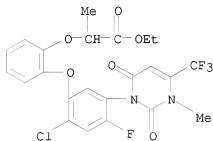
RN 532976-31-1 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

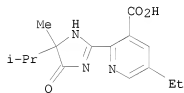
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



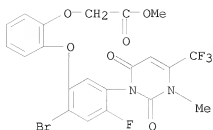
RN 532976-35-5 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

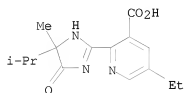
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



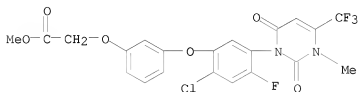
RN 532976-36-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

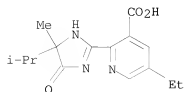
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



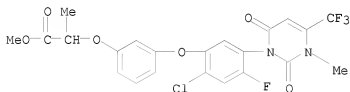
RN 532976-37-7 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5

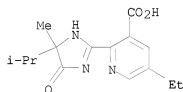
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



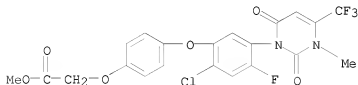
RN 532976-40-2 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9

CMF C21 H15 Cl F4 N2 O6

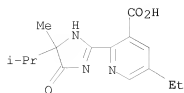


CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3





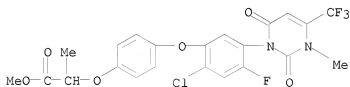
RN 532976-41-3 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

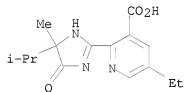
CMF C22 H17 C1 F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



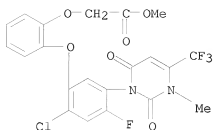
RN 532976-44-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

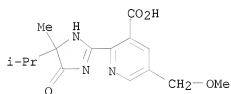
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CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



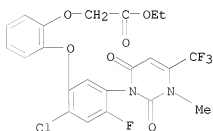
RN 532976-45-7 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

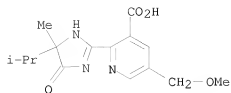
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



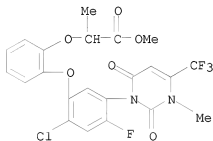
RN 532976-46-8 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

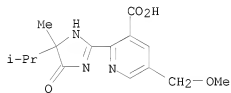
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



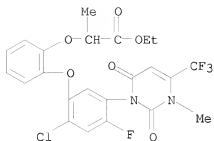
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CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

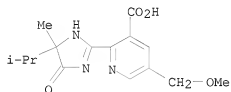
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



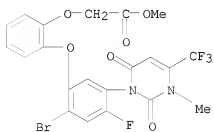
RN 532976-50-4 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

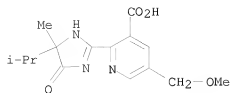
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



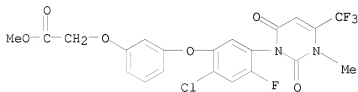
RN 532976-51-5 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

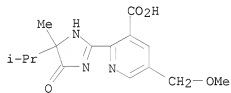
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



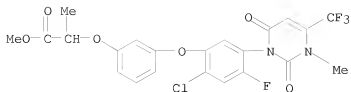
RN 532976-52-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5

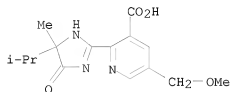
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



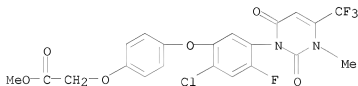
RN 532976-55-9 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9

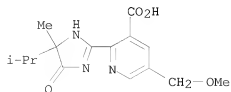
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



RN 532976-57-1 CAPLUS

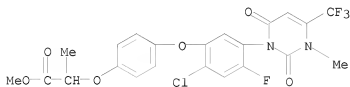
CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl

2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

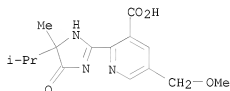
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



L3 ANSWER 13 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:377052 CAPLUS

DOCUMENT NUMBER: 138:380421

TITLE: Microbial herbicide metabolizing proteins, cDNAs, and use in weed control and generation of herbicide-resistant transgenic plants

INVENTOR(S): Nakajima, Hiroki; Mukumoto, Fujio; Takaishi, Masanao

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Ltd., Japan

SOURCE: PCT Int. Appl., 810 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

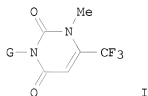
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2003040370   | A1   | 20030515 | WO 2002-JP10789 | 20021017 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| JP 2004057194   | A    | 20040226 | JP 2002-301292  | 20021016 |

|  |    |          |                 |            |
|--|----|----------|-----------------|------------|
| CA 2463855   | A1 | 20030515 | CA 2002-2463855 | 20021017   |
| AU 2002336288  | A1 | 20030519 | AU 2002-336288  | 20021017   |
| EP 1457558   | A1 | 20040915 | EP 2002-770234  | 20021017   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, |    |          |                 |            |
| IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK             |    |          |                 |            |
| BR 2002013411  | A  | 20050111 | BR 2002-13411   | 20021017   |
| CN 1894408   | A  | 20070110 | CN 2002-825642  | 20021017   |
| US 2005084859  | A1 | 20050421 | US 2004-492928  | 20040419   |
| ZA 2004003806  | A  | 20050603 | ZA 2004-3806    | 20040518   |
| PRIORITY APPLN. INFO.:   |    |          | JP 2001-321307  | A 20011019 |
|  |    |          | JP 2002-167239  | A 20020607 |
|  |    |          | WO 2002-JP10789 | W 20021017 |

OTHER SOURCE(S): MARPAT 138:380421  
GI



AB This invention provides cDNAs encoding microbial herbicide metabolizing proteins, capable of converting protoporphyrinogen IX oxidase (PPO) inhibitor type compound, recombinant expression, and use in conferring herbicide-resistance to plants and weed control. The proteins, including ferredoxins, are capable of replacing the 3-Me group of (2R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]propanoic acid with hydrogen in the presence of an electron transfer system. Use of compound represented by the formula I (G = Ph derivs.) for controlling weed growth is claimed. Use of PCR primers and probe hybridization for detecting the genes encoding those proteins, is claimed. Signal sequence, promoter.

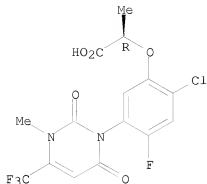
IT 280762-88-1 524938-06-5  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (microbial herbicide metabolizing proteins, cDNAs, and use in weed control and generation of herbicide-resistant transgenic plants)

RN 280762-88-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

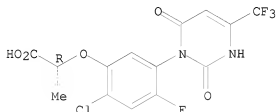
Absolute stereochemistry.





RN 524938-06-5 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 14 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:282547 CAPLUS

DOCUMENT NUMBER: 138:304294

TITLE: Heterocyclyl-substituted phenoxyalkyl-, phenylthioalkyl-, phenylaminoalkyl- and phenylalkyl-sulfamoylcarboxamides as herbicides  
 Karp, Gary M.; Donovan, Stephen F.; Marinelli, Brett A.; Langevine, Charles M.; Cossette, Michael V.; Guaciaro, Michael A.

PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 124 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

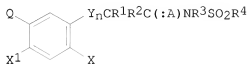
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2003029226   | A1   | 20030410 | WO 2002-EP10758 | 20020925 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,   |      |          |                 |          |

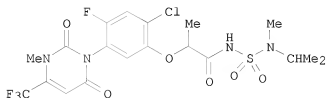
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,  
 CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2002342760 A1 20030414 AU 2002-342760 20020925  
 PRIORITY APPLN. INFO.: US 2001-325080P P 20010926  
 WO 2002-EP10758 W 20020925

OTHER SOURCE(S): MARPAT 138:304294  
 GI



I



II

AB Title compds. I [A = O, S; X, X<sub>1</sub> = H, halogen; n = 0, 1; Y = (un)substituted O, NH, CH<sub>2</sub>, S(O)m; m = 0-2; R = H, alkyl, alkoxyalkyl, (un)substituted CH<sub>2</sub>Ph; YR<sub>2</sub> = CH; R<sub>1</sub>, R<sub>2</sub> = H, alkyl, halogen; R<sub>1</sub>R<sub>2</sub> = CH<sub>2</sub>; R<sub>3</sub> = H, CN, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, (un)substituted CH<sub>2</sub>Ph; R<sub>4</sub> = (un)substituted NH<sub>2</sub>, alkyl, cycloalkyl, alkenyl, alkynyl, Ph, heterocyclyl, CH<sub>2</sub>Ph; Q = (un)substituted N heterocyclic] were prepared. Thus, the sulfamide II was prepared by amidating the acid with Me<sub>2</sub>CHNMeSO<sub>2</sub>NH<sub>2</sub>. The carboxylic acid was prepared from 2,4-Cl<sub>2</sub>FC<sub>6</sub>H<sub>3</sub>OH by protecting the phenol as the Me carbonate, nitration, deblocking, etherification with BrCHMeCO<sub>2</sub>Me, reduction to the amine, aminolysis of 2-dimethylamino-4-trifluoromethyl-1,3-oxazin-6-one with the resulting 5,2,4-H<sub>2</sub>N(Cl)(F)C<sub>6</sub>H<sub>2</sub>OCHMeCO<sub>2</sub>Me, N-methylation of the pyrimidinedione, and ester hydrolysis. II showed herbicidal activity against various weeds in e.g. wheat, pre-emergence at 16 g/ha.

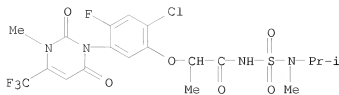
IT 508241-30-3P 508241-31-4P 508241-32-5P  
 508241-33-6P 508241-34-7P 508241-35-8P  
 508241-36-9P 508241-37-0P 508241-38-1P  
 508241-39-2P 508241-40-5P 508241-41-6P  
 508241-42-7P 508241-43-8P 508241-44-9P  
 508241-45-0P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of heterocyclyl-substituted phenoxyalkyl-, phenylthioalkyl-, phenylaminoalkyl- and phenylalkyl-sulfamoylcarboxamides as herbicides)

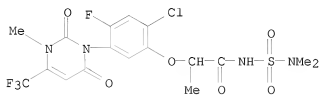
RN 508241-30-3 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[[methyl(1-methylethyl)amino]sulfonyl]- (CA INDEX NAME)



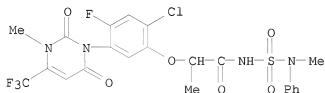
RN 508241-31-4 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(dimethylamino)sulfonyl]- (CA INDEX NAME)



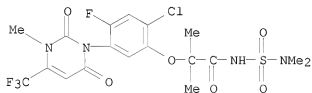
RN 508241-32-5 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(methylphenylamino)sulfonyl]- (CA INDEX NAME)



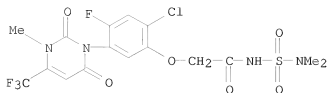
RN 508241-33-6 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(dimethylamino)sulfonyl]-2-methyl- (CA INDEX NAME)



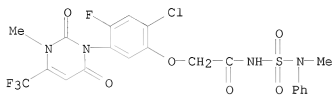
RN 508241-34-7 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(dimethylamino)sulfonyl]- (CA INDEX NAME)



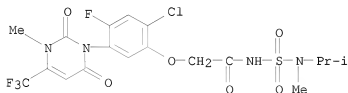
RN 508241-35-8 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(methylphenylamino)sulfonyl]- (CA INDEX NAME)



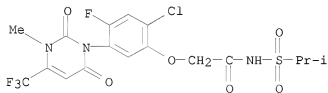
RN 508241-36-9 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(methyl(1-methylethyl)amino)sulfonyl]- (CA INDEX NAME)



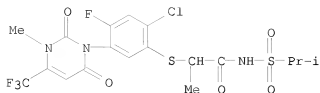
RN 508241-37-0 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(1-methylethyl)sulfonyl]- (CA INDEX NAME)



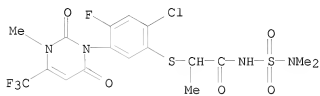
RN 508241-38-1 CAPLUS

CN Propanamide, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(1-methylethyl)sulfonyl]- (CA INDEX NAME)



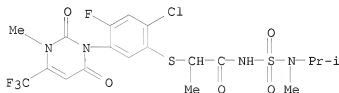
RN 508241-39-2 CAPLUS

CN Propanamide, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(dimethylamino)sulfonyl]- (CA INDEX NAME)



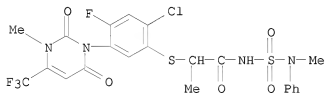
RN 508241-40-5 CAPLUS

CN Propanamide, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(methyl(1-methylethyl)amino)sulfonyl]- (CA INDEX NAME)



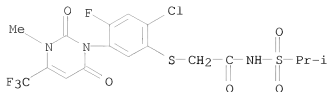
RN 508241-41-6 CAPLUS

CN Propanamide, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(methylphenylamino)sulfonyl]- (CA INDEX NAME)



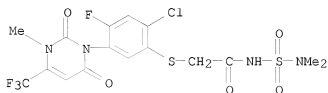
RN 508241-42-7 CAPLUS

CN Acetamide, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(1-methylethyl)sulfonyl]- (CA INDEX NAME)



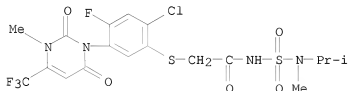
RN 508241-43-8 CAPLUS

CN Acetamide, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(dimethylamino)sulfonyl]- (CA INDEX NAME)



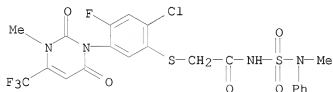
RN 508241-44-9 CAPLUS

CN Acetamide, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[methyl(1-methylethyl)amino]sulfonyl]- (CA INDEX NAME)



RN 508241-45-0 CAPLUS

CN Acetamide, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(methylphenylamino)sulfonyl]- (CA INDEX NAME)



IT 146423-50-9P 303030-46-8P 311810-43-2P

340247-06-5P 353292-92-9P 508241-62-1P

508241-63-2P 508241-64-3P 508241-74-5P

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508241-80-3P 508241-81-4P

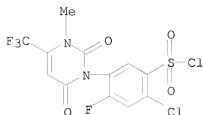
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of heterocyclyl-substituted phenoxyalkyl-, phenylthioalkyl-, phenylaminoalkyl- and phenylalkyl-sulfamoylcarboxamides as herbicides)

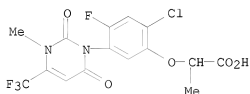
RN 146423-50-9 CAPLUS

CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

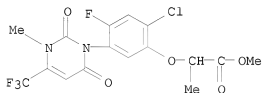
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



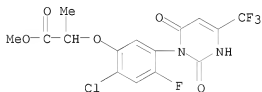
RN 303030-46-8 CAPLUS  
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



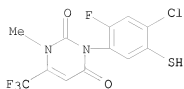
RN 311810-43-2 CAPLUS  
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



RN 340247-06-5 CAPLUS  
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)

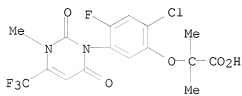


RN 353292-92-9 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-mercaptophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



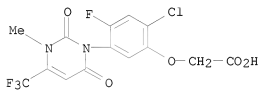
RN 508241-62-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl- (CA INDEX NAME)



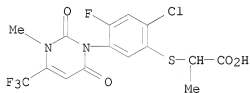
RN 508241-63-2 CAPLUS

CN Acetic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (9CI) (CA INDEX NAME)



RN 508241-64-3 CAPLUS

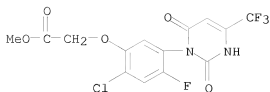
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio- (CA INDEX NAME)



RN 508241-74-5 CAPLUS

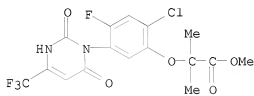
CN Acetic acid, [2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (9CI) (CA INDEX NAME)





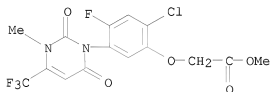
RN 508241-75-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-, methyl ester (CA INDEX NAME)



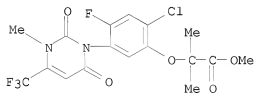
RN 508241-77-8 CAPLUS

CN Acetic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (9CI) (CA INDEX NAME)



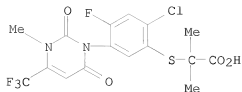
RN 508241-78-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-, methyl ester (CA INDEX NAME)

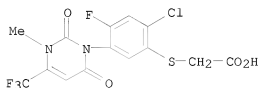


RN 508241-80-3 CAPLUS

CN Propanoic acid, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-2-methyl- (CA INDEX NAME)



RN 508241-81-4 CAPLUS  
 CN Acetic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

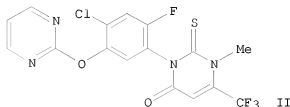
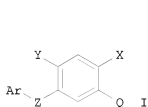
L3 ANSWER 15 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:282546 CAPLUS  
 DOCUMENT NUMBER: 138:304311  
 TITLE: Preparation of azinyl phenyl ethers as herbicides and plant desiccants.  
 INVENTOR(S): Gupta, Sandeep; Tsukamoto, Masamitsu; Read, Mark  
 PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan  
 SOURCE: PCT Int. Appl., 50 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.    | KIND   | DATE     | APPLICATION NO. | DATE     |
|---------------|--|----------|-----------------|----------|
| WO 2003029225 | A1   | 20030410 | WO 2002-US25963 | 20020906 |
| W:            | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                 |          |
| RW:           | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |
| US 2003130122 | A1   | 20030710 | US 2001-1816    | 20011205 |
| US 6613718    | B2   | 20030902 |                 |          |
| CA 2461976    | A1   | 20030410 | CA 2002-2461976 | 20020906 |
| AU 2002331587 | A1   | 20030414 | AU 2002-331587  | 20020906 |
| EP 1422692    | A1   | 20040630 | EP 2002-768561  | 20020906 |
| R:            | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK   |          |                 |          |
| BR 2002013023 | A  | 20050118 | BR 2002-13023   | 20020906 |
| HU 2004002295 | A2   | 20050228 | HU 2004-2295    | 20020906 |

|                        |    |          |                 |            |
|------------------------|----|----------|-----------------|------------|
| CN 1599727             | A  | 20050323 | CN 2002-824000  | 20020906   |
| JP 2005508929          | T  | 20050407 | JP 2003-532475  | 20020906   |
| MX 2004PA03159         | A  | 20040708 | MX 2004-PA3159  | 20040401   |
| US 2004267014          | A1 | 20041230 | US 2004-491337  | 20040820   |
| PRIORITY APPLN. INFO.: |    |          | US 2001-970220  | A 20011001 |
|                        |    |          | US 2001-1816    | A 20011205 |
|                        |    |          | WO 2002-US25963 | W 20020906 |

OTHER SOURCE(S): MARPAT 138:304311

GI

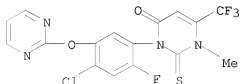


AB Title compds. [I; X, Y = H, halo, cyano, NO<sub>2</sub>, haloalkyl, haloalkoxy; Z = O, S; Q = (substituted) pyrazolyl, imidazolyl, triazolyl, tetrazolyl, pyridazinyl, etc.; Ar = (substituted) aryl, heteroaryl] are prepared For instance, 4-Chloro-2-fluoro-5-(2-pyrimidinylloxy)benzenamine is reacted with thiophosgene (EtOAc, Et<sub>3</sub>N) to give 2-(2-chloro-4-fluoro-5-isothiocyanatophenoxy)pyrimidine. This intermediate is reacted with Et 4,4,4-trifluoro-3-(methylamino)but-2-enoate (DMF/Toluene, NaH, -50° - -20°) to afford II. Numerous I at 125-500 g/ha preemergent gave 100% control of *Amaranthus retroflexus*, *Abutilon theophrasti*, etc.

IT 507448-61-5P, 3-[4-Chloro-2-fluoro-5-(2-pyrimidinylloxy)phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)-4(1H)-pyrimidinone  
507448-81-9P 507448-82-0P 507448-83-1P  
507448-84-2P 507448-85-3P 507448-86-4P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of azinyl Ph ethers as herbicides and plant desiccants)

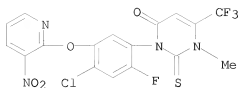
RN 507448-61-5 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-(2-pyrimidinylloxy)phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



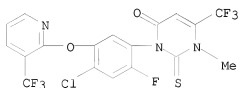
RN 507448-81-9 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



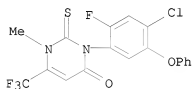
RN 507448-82-0 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-[(3-(trifluoromethyl)-2-pyridinyl)oxy]phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



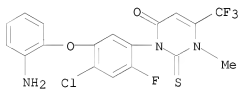
RN 507448-83-1 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-phenoxyphenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



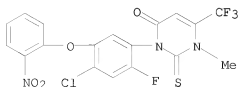
RN 507448-84-2 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)

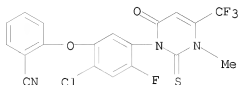


RN 507448-85-3 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



RN 507448-86-4 CAPLUS  
 CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-3-methyl-6-oxo-2-thioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)

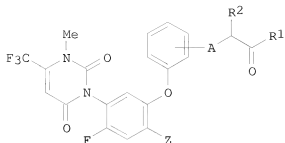


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 16 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:274723 CAPLUS  
 DOCUMENT NUMBER: 138:282788  
 TITLE: Synergistic herbicide compositions containing pyrimidinediones and oxyfluorfen  
 INVENTOR(S): Mito, Nobuaki; Shibuya, Shinsuke  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE       |
|---|------|----------|-----------------|------------|
| JP 2003104810   | A    | 20030409 | JP 2001-300872  | 20010928   |
| CA 2461548  | A1   | 20030410 | CA 2002-2461548 | 20020426   |
| WO 2003028464   | A1   | 20030410 | WO 2002-JP4195  | 20020426   |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW |      |          |                 |            |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, IG  |      |          |                 |            |
| AU 2002253603   | A1   | 20030414 | AU 2002-253603  | 20020426   |
| EP 1430777  | A1   | 20040623 | EP 2002-722808  | 20020426   |
| EP 1430777  | B1   | 20070425 |                 |            |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |      |          |                 |            |
| ES 2286249  | T3   | 20071201 | ES 2002-2722808 | 20020426   |
| US 2004198607   | A1   | 20041007 | US 2004-490702  | 20040325   |
| PRIORITY APPLN. INFO.:  |      |          |                 |            |
|   |      |          | JP 2001-300872  | A 20010928 |
|   |      |          | WO 2002-JP4195  | W 20020426 |

OTHER SOURCE(S): MARPAT 138:282788  
 GI



I

AB The comps. contain pyrimidinediones I (Z = halo, cyano; A = O, S, NH; R1 = OH, C1-7 alkoxy, C3-7 alkenyloxy, etc.; R2 = H, Me) and oxyfluorfen (II). The comps. are broad-spectrum herbicides, useful for orchards and uncultivated fields. An emulsion containing o-I (Z = Cl, A = O, R1 = OMe, R2 = H) and II was applied to *Cassia obtusifolia* at 20 and 500 g/ha, resp., to show 90% control, vs. 40% or 30%, for I or II alone, resp.

IT 506425-91-8 506425-92-9 506425-93-0

506425-94-1 506425-97-4 506425-98-5

506425-99-6 506426-02-4 506426-03-5

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic herbicides containing pyrimidinediones and oxyfluorfen)

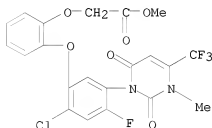
RN 506425-91-8 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

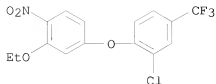
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



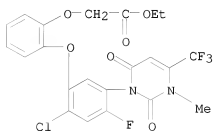
RN 506425-92-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

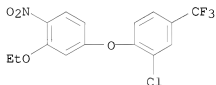
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



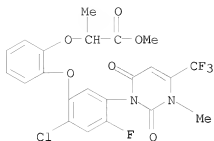
RN 506425-93-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

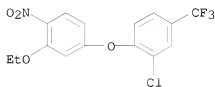
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



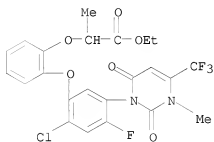
RN 506425-94-1 CAPLUS

CN Propanoic acid, 2-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

CMF C23 H19 Cl F4 N2 O6

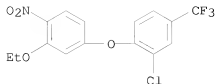


CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



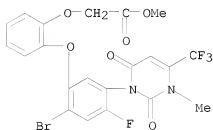


RN 506425-97-4 CAPLUS  
 CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

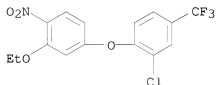
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4

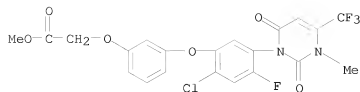


RN 506425-98-5 CAPLUS  
 CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

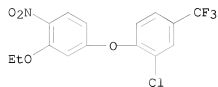
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



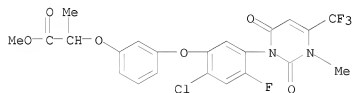
RN 506425-99-6 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5

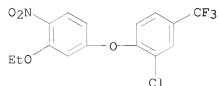
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



RN 506426-02-4 CAPLUS

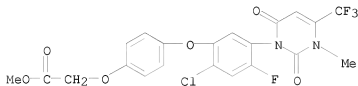
CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl

ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9

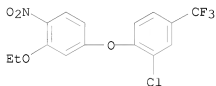
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CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



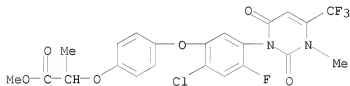
RN 506426-03-5 CAPLUS

CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

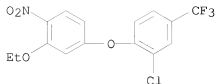
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CM 2

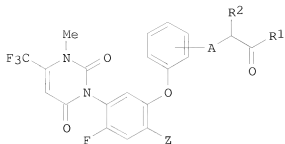
CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



L3 ANSWER 17 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:271643 CAPLUS  
 DOCUMENT NUMBER: 138:282787  
 TITLE: Synergistic herbicide compositions containing pyrimidinediones and flumioxazin or sulfentrazone  
 INVENTOR(S): Mito, Nobuaki; Shibuya, Shinsuke  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE     | APPLICATION NO. | DATE        |
|------------------------|--|----------|-----------------|-------------|
| JP 2003104809          | A  | 20030409 | JP 2001-300862  | 20010928    |
| CA 2461547             | A1   | 20030410 | CA 2002-2461547 | 20020426    |
| WO 2003028463          | A1   | 20030410 | WO 2002-JP4194  | 20020426    |
| W:                     | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW |          |                 |             |
| RW:                    | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                 |             |
| AU 2002253602          | A1   | 20030414 | AU 2002-253602  | 20020426    |
| EP 1430776             | A1   | 20040623 | EP 2002-722807  | 20020426    |
| R:                     | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |          |                 |             |
| US 2004235661          | A1   | 20041125 | US 2004-490701  | 20040325    |
| US 7205260             | B2   | 20070417 |                 |             |
| US 2007042908          | A1   | 20070222 | US 2006-552055  | 20061023    |
| PRIORITY APPLN. INFO.: |  |          | JP 2001-300862  | A 20010928  |
|                        |  |          | WO 2002-JP4194  | W 20020426  |
|                        |  |          | US 2004-490701  | A3 20040325 |
| OTHER SOURCE(S):       | MARPAT 138:282787  |          |                 |             |
| GI                     |  |          |                 |             |



I

AB The comps. contain pyrimidinediones I (Z = halo, cyano; A = O, S, NH; R1 = OH, C1-7 alkoxy, C3-7 alkenyloxy, etc.; R2 = H, Me) and  $\geq 1$  comps. chosen from flumioxazin (II) and sulfentrazone. The comps. are broad-spectrum herbicides, useful for orchards, soybean fields, and uncultivated fields. An emulsion containing o-I (Z = Cl, A = O, R1 = OMe, R2 = H) and II was applied to *Brachiaria platyphylla* at 20 and 100 g/ha, resp., to show 90% weed control without damage on soybean.

IT 506424-83-5 506424-86-8 506424-90-4  
506424-93-7 506424-99-3 506425-01-0  
506425-04-3 506425-13-4 506425-14-5  
506425-18-9 506425-19-0 506425-20-3  
506425-21-4 506425-24-7 506425-25-8  
506425-26-9 506425-29-2 506425-30-5

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic herbicides containing pyrimidinediones and flumioxazin or sulfentrazone)

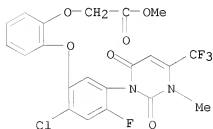
RN 506424-83-5 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

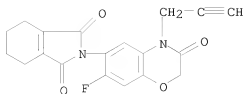
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CM 2

CRN 103361-09-7

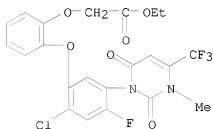
CMF C19 H15 F N2 O4



RN 506424-86-8 CAPLUS  
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

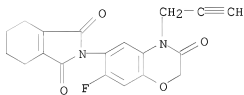
CM 1

CRN 344419-99-4  
 CMF C22 H17 Cl F4 N2 O6



CM 2

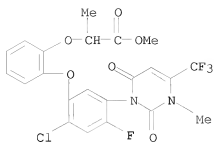
CRN 103361-09-7  
 CMF C19 H15 F N2 O4



RN 506424-90-4 CAPLUS  
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

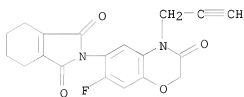
CRN 344419-95-0  
 CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 103361-09-7

CMF C19 H15 F N2 O4



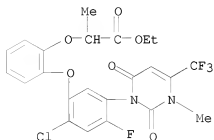
RN 506424-93-7 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

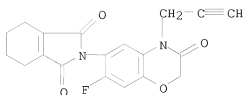
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 103361-09-7

CMF C19 H15 F N2 O4



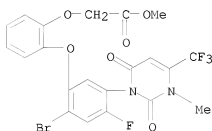
RN 506424-99-3 CAPLUS

CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

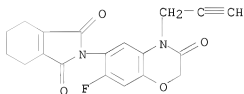
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 103361-09-7

CMF C19 H15 F N2 O4



RN 506425-01-0 CAPLUS

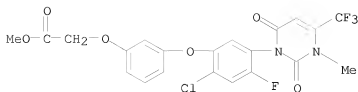
CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

CMF C21 H15 Cl F4 N2 O6

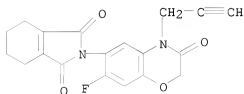




CM 2

CRN 103361-09-7

CMF C19 H15 F N2 O4



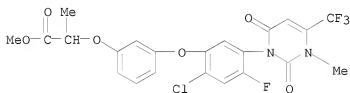
RN 506425-04-3 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5

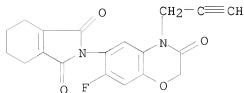
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 103361-09-7

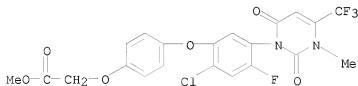
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RN 506425-13-4 CAPLUS  
 CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

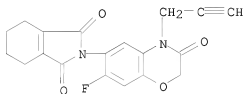
CM 1

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CM 2

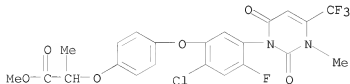
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 CMF C19 H15 F N2 O4



RN 506425-14-5 CAPLUS  
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CM 1

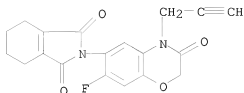
CRN 344419-86-9  
 CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 103361-09-7

CMF C19 H15 F N2 O4



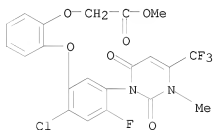
RN 506425-18-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

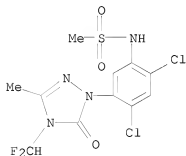
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CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



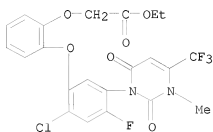
RN 506425-19-0 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

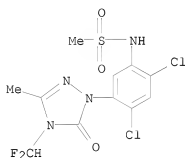
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



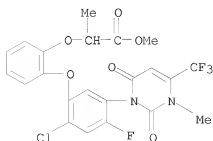
RN 506425-20-3 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

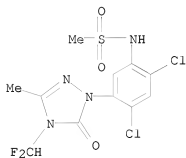
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 C12 F2 N4 O3 S



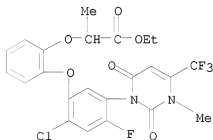
RN 506425-21-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-4-yl]phenoxy]phenoxy]-, ethyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

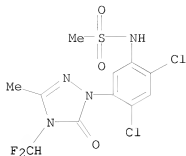
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 C12 F2 N4 O3 S



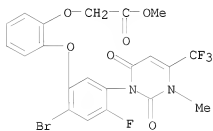
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CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

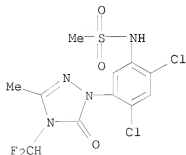
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



RN 506425-25-8 CAPLUS

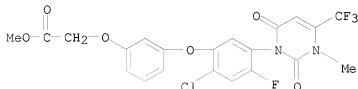
CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-

methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

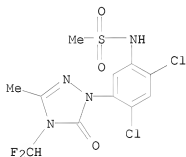
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



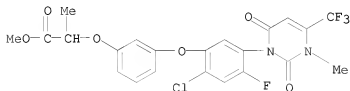
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CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5

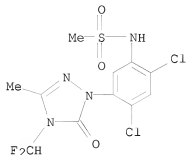
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



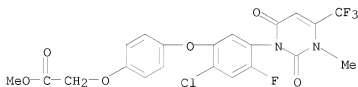
RN 506425-29-2 CAPLUS

CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-2-yl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9

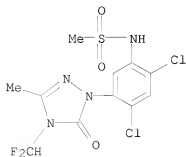
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



RN 506425-30-5 CAPLUS

CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-2-yl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA

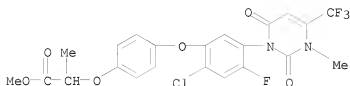


INDEX NAME)

CM 1

CRN 344419-86-9

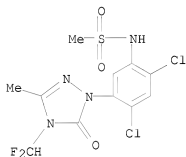
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



L3 ANSWER 18 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:271642 CAPLUS

DOCUMENT NUMBER: 138:282786

TITLE: Synergistic herbicide compositions containing pyrimidinedione derivatives and glyphosate, its salts, or glufosinate-ammonium

INVENTOR(S): Mito, Nobuaki; Shibuya, Shinsuke

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

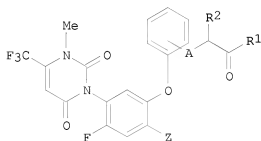
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|--|------|----------|-----------------|----------|
| JP 2003104808  | A    | 20030409 | JP 2001-300861  | 20010928 |
| CA 2461546   | A1   | 20030410 | CA 2002-2461546 | 20020426 |
| WO 2003028462  | A1   | 20030410 | WO 2002-JP4193  | 20020426 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, |      |          |                 |          |

US, UZ, VN, YU, ZA, ZM, ZW  
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 KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB,  
 GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,  
 GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2002251552 A1 20030414 AU 2002-251552 20020426  
 EP 1430775 A1 20040623 EP 2002-720617 20020426  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 US 2004204318 A1 20041014 US 2004-490700 20040325  
 PRIORITY APPLN. INFO.: JP 2001-300861 A 20010928  
 WO 2002-JP4193 W 20020426  
 OTHER SOURCE(S): MARPAT 138:282786  
 GI



I

AB Highly effective, broad-spectrum herbicides that do not cause injury to crops contain I (Z = halo, cyano; A = O, S, NH; R1 = OH, C1-7 alkoxy, C3-7 alkenyloxy, etc.; R2 = H, Me) and ≥1 compound chosen from glyphosate, its salts, or glufosinate-ammonium. Thus, a mixture containing I (A = O, Z = Cl, R1 = OMe, R2 = H) 20 and glufosinate-ammonium 100 g/ha synergistically controlled weeds with no damage to corn, soybean, or cotton. Formulation examples are given.

IT 506443-64-7 506443-65-8 506443-66-9  
 506443-67-0 506443-68-1 506443-69-2  
 506443-70-5 506443-71-6 506443-72-7  
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 506443-86-3 506443-87-4 506443-88-5  
 506443-89-6 506443-90-9 506443-92-1  
 506443-93-2 506444-02-6 506444-03-7  
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 506444-07-1  
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 (broad-spectrum synergistic herbicide)

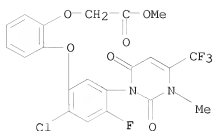
RN 506443-64-7 CAPIUS

CN Glycine, N-(phosphonomethyl)-, compd. with 2-propanamine (1:1), mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

CMF C21 H15 Cl F4 N2 O6



CM 2

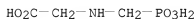
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CM 3

CRN 1071-83-6

CMF C3 H8 N O5 P



CM 4

CRN 75-31-0

CMF C3 H9 N



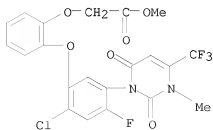
RN 506443-65-8 CAPLUS

CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

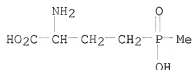
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 77182-82-2

CMF C5 H12 N O4 P . H3 N



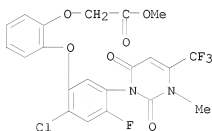
RN 506443-66-9 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

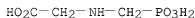
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P



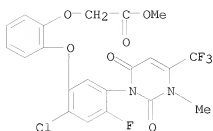
RN 506443-67-0 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

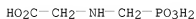
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 40465-66-5

CMF C3 H8 N O5 P . H3 N



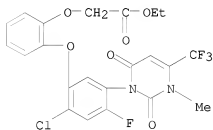
RN 506443-68-1 CAPLUS

CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

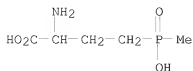
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 77182-82-2

CMF C5 H12 N O4 P . H3 N



● NH<sub>3</sub>

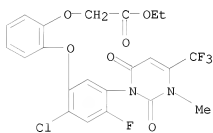
RN 506443-69-2 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

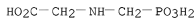
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P



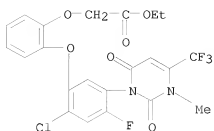
RN 506443-70-5 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

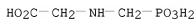
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 40465-66-5

CMF C3 H8 N O5 P . H3 N



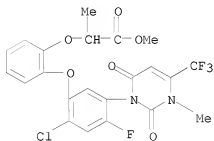
RN 506443-71-6 CAPLUS

CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

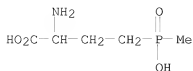
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 77182-82-2

CMF C5 H12 N O4 P . H3 N



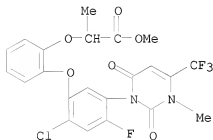
● NH<sub>3</sub>

RN 506443-72-7 CAPLUS  
 CN Glycine, N-(phosphonomethyl)-, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

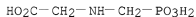
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P



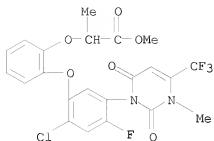
RN 506443-73-8 CAPLUS  
 CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

CMF C22 H17 Cl F4 N2 O6

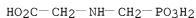




CM 2

CRN 40465-66-5

CMF C3 H8 N O5 P . H3 N



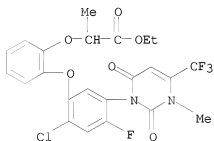
RN 506443-74-9 CAPLUS

CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

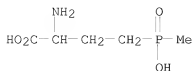
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 77182-82-2

CMF C5 H12 N O4 P . H3 N



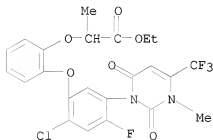
● NH<sub>3</sub>

RN 506443-75-0 CAPLUS  
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CM 1

CRN 344419-97-2

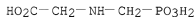
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P

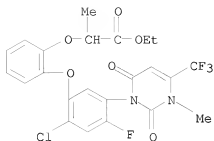


RN 506443-76-1 CAPLUS  
 CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

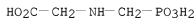
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 40465-66-5

CMF C3 H8 N O5 P . H3 N



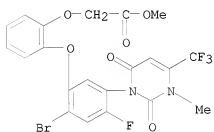
RN 506443-84-1 CAPLUS

CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

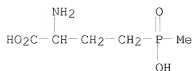
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 77182-82-2

CMF C5 H12 N O4 P . H3 N



● NH<sub>3</sub>

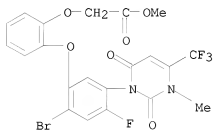
RN 506443-85-2 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

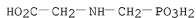
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P



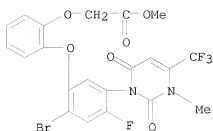
RN 506443-86-3 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

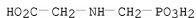
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 40465-66-5

CMF C3 H8 N O5 P . H3 N



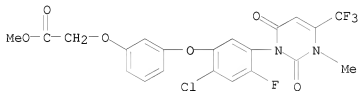
RN 506443-87-4 CAPLUS

CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI)  
(CA INDEX NAME)

CM 1

CRN 344420-16-2

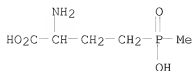
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 77182-82-2

CMF C5 H12 N O4 P . H3 N



● NH<sub>3</sub>

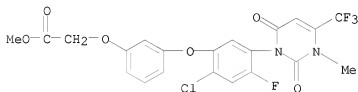
RN 506443-88-5 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

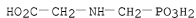
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P



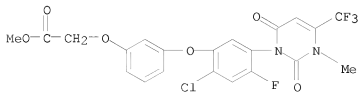
RN 506443-89-6 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 40465-66-5  
CMF C3 H8 N O5 P . H3 N

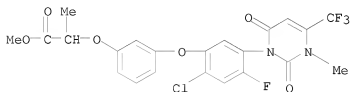


● NH<sub>3</sub>

RN 506443-90-9 CAPLUS  
CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with methyl 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

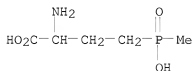
CM 1

CRN 344419-90-5  
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 77182-82-2  
CMF C5 H12 N O4 P . H3 N

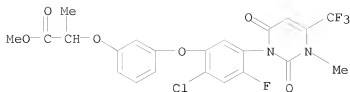


● NH<sub>3</sub>

RN 506443-92-1 CAPLUS  
CN Glycine, N-(phosphonomethyl)-, mixt. with methyl 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

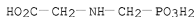
CRN 344419-90-5  
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P



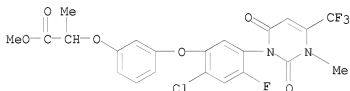
RN 506443-93-2 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-4-yl]phenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5

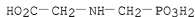
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 40465-66-5

CMF C3 H8 N O5 P . H3 N



RN 506444-02-6 CAPLUS

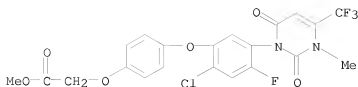
CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-4-yl]phenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9

CMF C21 H15 Cl F4 N2 O6

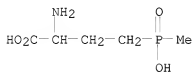




CM 2

CRN 77182-82-2

CMF C5 H12 N O4 P . H3 N



● NH<sub>3</sub>

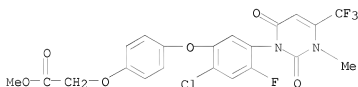
RN 506444-03-7 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9

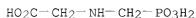
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P



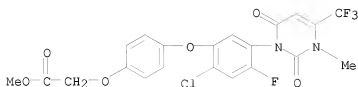
RN 506444-04-8 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9

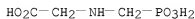
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 40465-66-5

CMF C3 H8 N O5 P . H3 N



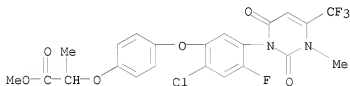
RN 506444-05-9 CAPLUS

CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with methyl 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-4-yl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

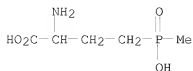
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 77182-82-2

CMF C5 H12 N O4 P . H3 N



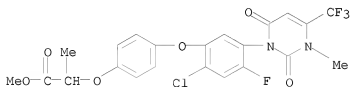
● NH<sub>3</sub>

RN 506444-06-0 CAPLUS  
 CN Glycine, N-(phosphonomethyl)-, mixt. with methyl 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

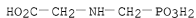
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P

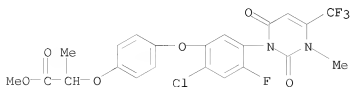


RN 506444-07-1 CAPLUS  
 CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

CMF C22 H17 Cl F4 N2 O6



CM 2

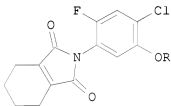
CRN 40465-66-5  
CMF C3 H8 N O5 P . H3 N

HO<sub>2</sub>C-CH<sub>2</sub>-NH-CH<sub>2</sub>-PO<sub>3</sub>H<sub>2</sub>

● NH<sub>3</sub>

L3 ANSWER 19 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2003:150710 CAPLUS  
DOCUMENT NUMBER: 138:153544  
TITLE: Preparation of substituted triazole, imidazole or  
pyrazole herbicides  
INVENTOR(S): Liu, Changling; Zhang, Zongjian; Liu, Xiaonan;  
Jacobson, Richard Martin; Mulvihill, Mark Joseph  
PATENT ASSIGNEE(S): Shenyang Chemical Institute, Peop. Rep. China  
SOURCE: Faming Zhuanli Shengqing Gongkai Shuomingshu, 55 pp.  
CODEN: CNXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE       | APPLICATION NO. | DATE     |
|------------------------|--------|------------|-----------------|----------|
| -----                  | ----   | -----      | -----           | -----    |
| CN 1327984             | A      | 20011226   | CN 2000-110501  | 20000608 |
| CN 1118465             | B      | 20030820   |                 |          |
| PRIORITY APPLN. INFO.: |        |            | CN 2000-110501  | 20000608 |
| OTHER SOURCE(S):       | MARPAT | 138:153544 |                 |          |
| GI                     |        |            |                 |          |



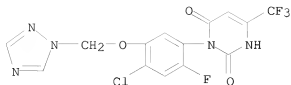
I

AB Title compds., for example I (R = triazolylmethyl, triazolylmethoxycarbonylmethyl), useful as herbicides, are prepared Thus, refluxing I (R = H) with chloromethyl-1,2,4-triazole hydrochloride in butanone in the presence of K<sub>2</sub>CO<sub>3</sub> for 5 h gave I (R = triazolylmethyl) (II). II showed herbicidal activity against *Bidens pilosa* at 150 g/ha.

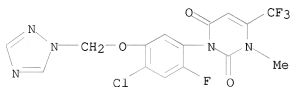
IT 313046-22-9P  
RL: AGR (Agricultural use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of substituted triazole, imidazole or pyrazole herbicides)

RN 313046-22-9 CAPLUS

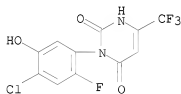
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-1,2,4-triazol-1-ylmethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



IT 313046-23-0P  
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of substituted triazole, imidazole or pyrazole herbicides)  
 RN 313046-23-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-1,2,4-triazol-1-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 114136-62-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of substituted triazole, imidazole or pyrazole herbicides)  
 RN 114136-62-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 20 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:133262 CAPLUS  
 DOCUMENT NUMBER: 138:170254  
 TITLE: Preparation of [3-[3-(2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid alkyl esters by etherification of 3-[3-(2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-1,2-dihydro-2-pyridones with alkyl diazoacetate  
 INVENTOR(S): Tohyama, Yoshitomo; Komori, Takashi; Sanemitsu, Yuzuru  
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan  
 SOURCE: PCT Int. Appl., 57 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

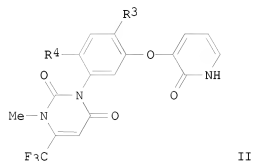
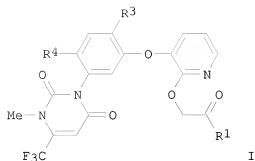
PATENT NO.

KIND DATE

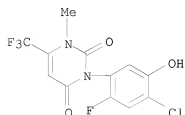
APPLICATION NO.

DATE

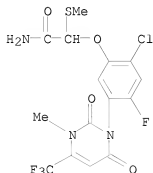
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| WO 2003014109   | A1 | 20030220                               | WO 2002-JP7793  | 20020731    |
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| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |    |  |                 |             |
| JP 2003048885   | A  | 20030221                               | JP 2001-234650  | 20010802    |
| JP 2003286284   | A  | 20031010                               | JP 2002-88577   | 20020327    |
| CA 2456093  | A1 | 20030220                               | CA 2002-2456093 | 20020731    |
| AU 2002318564   | A1 | 20030224                               | AU 2002-318564  | 20020731    |
| AU 2002318564   | B2 | 20070104                               |                 |             |
| EP 1422227  | A1 | 20040526                               | EP 2002-746150  | 20020731    |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK   |    |  |                 |             |
| BR 2002011652   | A  | 20040713                               | BR 2002-11652   | 20020731    |
| CN 1537110  | A  | 20041013                               | CN 2002-815155  | 20020731    |
| HU 2004001486   | A2 | 20041129                               | HU 2004-1486    | 20020731    |
| RU 2272035  | C2 | 20060320                               | RU 2004-106028  | 20020731    |
| IN 2004CN00193  | A  | 20051209                               | IN 2004-CN193   | 20040130    |
| MX 2004PA01041  | A  | 20040527                               | MX 2004-PA1041  | 20040202    |
| ZA 2004000844   | A  | 20050202                               | ZA 2004-844     | 20040202    |
| US 2004254077   | A1 | 20041216                               | US 2004-486037  | 20040206    |
| US 7157579  | B2 | 20070102                               |                 |             |
| US 2006189484   | A1 | 20060824                               | US 2006-382354  | 20060509    |
| US 7223862  | B2 | 20070529                               |                 |             |
| PRIORITY APPLN. INFO.:  |    |  | JP 2001-234650  | A 20010802  |
|   |    |  | JP 2002-88577   | A 20020327  |
|   |    |  | WO 2002-JP7793  | W 20020731  |
|   |    |  | US 2004-486037  | A1 20040206 |
| OTHER SOURCE(S):  |    | CASREACT 138:170254; MARPAT 138:170254 |                 |             |
| GI  |    |  |                 |             |



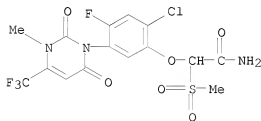
- AB [3-[3-(1-Methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid alkyl esters (I; R1 = C1-6 alkoxy; R3 = halo, cyano, NO2; R4 = H, halo) having excellent herbicidal activity are prepared by etherification (O-alkylation) of 3-[3-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-1,2-dihydro-2-pyridones (II; R3, R4 = same as above) with alkyl diazoacetate of general formula N2CHCOR1 (R1 = same as above) in the presence of an acid. Thus, 0.15 g Me diazoacetate was added dropwise to a mixture of 0.5 g 3-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-1H-pyridin-2-one, 8 mg rhodium(II) trifluoroacetate dimer, and 15 mL CH2Cl2 at 80° over 3 h, stirred at 80° for 4 h, and concentrated to give, after silica gel column chromatog., 3-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-(methoxycarbonylmethoxy)pyridine (III). III at 125 g/ha (postemergence application) completely controlled Abutilon theophrasti and Ipomoea hederacea.
- IT 114136-60-6, 2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenol  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (etherification with di-Me chloromalonate)
- RN 114136-60-6 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 497866-19-0P, 2-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-(methylthio)acetamide  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and S-oxidation with m-chloroperbenzoic acid)  
 RN 497866-19-0 CAPLUS  
 CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-(methylthio)- (CA INDEX NAME)

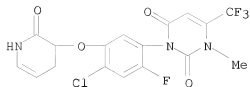


IT 497866-20-3P, 2-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-(methylsulfonyl)acetamide  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cyclocondensation reaction with acrolein to 3,4-dihydro-1H-pyridin-2-one derivative)  
 RN 497866-20-3 CAPLUS  
 CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-(methylsulfonyl)- (CA INDEX NAME)

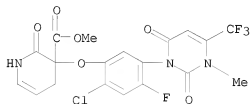


IT 497866-16-7P, 3-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-3,4-dihydro-1H-pyridin-2-one  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and dehydrogenation with o-chloranil)  
 RN 497866-16-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1,2,3,4-tetrahydro-2-oxo-3-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

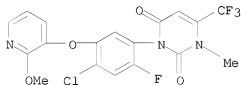




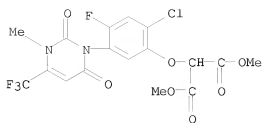
- IT 497866-15-6P, 3-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-3-methoxycarbonyl-3,4-dihydro-1H-pyridin-2-one  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and demethoxycarbonylation)  
 RN 497866-15-6 CAPLUS  
 CN 3-Pyridinecarboxylic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1,2,3,4-tetrahydro-2-oxo-, methyl ester (CA INDEX NAME)



- IT 497866-29-2P, 3-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-methoxypyridine  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and diazotization with isoamyl nitrile and chlorination with copper chloride)  
 RN 497866-29-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methoxy-3-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

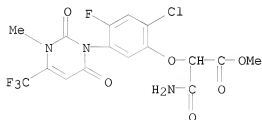


- IT 497866-11-2P, Dimethyl [2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]malonate  
 497866-13-4P, 2-(Carbamoyl)-2-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]acetic acid methyl ester  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and monoamidation with ammonia)  
 RN 497866-11-2 CAPLUS  
 CN Propanedioic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, dimethyl ester (9CI) (CA INDEX NAME)



RN 497866-13-4 CAPLUS

CN Propanoic acid, 3-amino-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-1-yl]phenoxy]-3-oxo-, methyl ester (CA INDEX NAME)



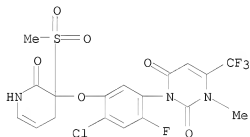
IT 497866-21-4P, 3-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-3-(methylsulfonyl)-2,4-dihydro-1H-pyridin-2-one

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and p-toluenesulfonic acid-catalyzed elimination reaction to 1H-pyridin-2-one derivative)

RN 497866-21-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[1,2,3,4-tetrahydro-3-(methylsulfonyl)-2-oxo-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 353292-14-5P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid methyl ester 353292-31-6P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid ethyl ester 353292-32-7P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid propyl ester 353292-33-8P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic

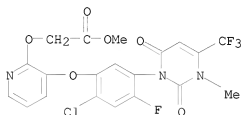
acid pentyl ester 353292-39-4P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid 353292-40-7P, N-Methoxy-2-[3-[2-chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetamide 353292-42-9P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of [(dioxohydropyrimidinyl)phenoxy]pyridyloxy]acetic acid alkyl esters as herbicides by etherification (O-alkylation) of [(dioxohydropyrimidinyl)phenoxy]dihydropyridones with alkyl diazoacetate in presence of acid or rhodium salt)

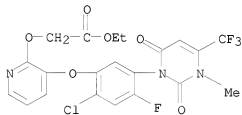
RN 353292-14-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



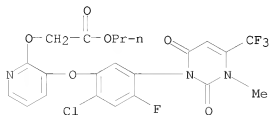
RN 353292-31-6 CAPLUS

CN Acetic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



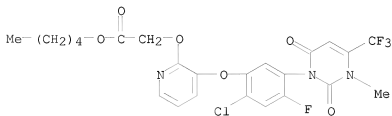
RN 353292-32-7 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



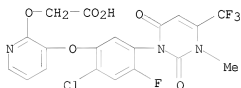
RN 353292-33-8 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



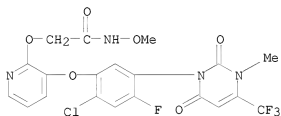
RN 353292-39-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, (9CI) (CA INDEX NAME)



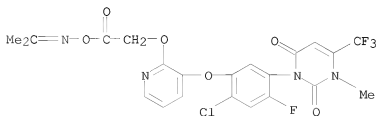
RN 353292-40-7 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



RN 353292-42-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 353292-11-2P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-

2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid cyclopentyl ester 353292-43-0P, [3-[2-Bromo-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid methyl ester 477714-35-5P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid [(methoxycarbonyl)methyl] ester

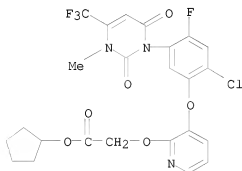
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of [(dioxohydropyrimidinyl)phenoxy]pyridyloxy]acetic acid alkyl esters by etherification (O-alkylation) of

[(dioxohydropyrimidinyl)phenoxy]dihydropyridones with alkyl diazoacetate in presence of acid or rhodium salt)

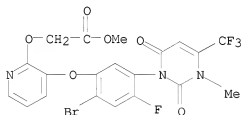
RN 353292-11-2 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



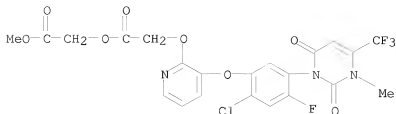
RN 353292-43-0 CAPLUS

CN Acetic acid, [[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

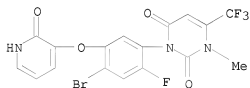


RN 477714-35-5 CAPLUS

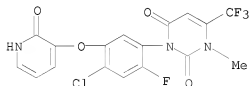
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



IT 497866-31-6, 3-[2-Bromo-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-1H-pyridin-2-one  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of [(dioxohydropyrimidinyl)phenoxy]pyridyloxy]acetic acid  
 alkyl esters by etherification (O-alkylation) of  
 [(dioxohydropyrimidinyl)phenoxy]dihydropyridones with alkyl  
 diazoacetate in presence of acid or rhodium salt)  
 RN 497866-31-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(1,2-dihydro-2-oxo-3-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 497866-09-8P, 3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-1H-pyridin-2-one  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of [(dioxohydropyrimidinyl)phenoxy]pyridyloxy]acetic acid  
 alkyl esters by etherification (O-alkylation) of  
 [(dioxohydropyrimidinyl)phenoxy]dihydropyridones with alkyl  
 diazoacetate in presence of acid or rhodium salt)  
 RN 497866-09-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,2-dihydro-2-oxo-3-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 21 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

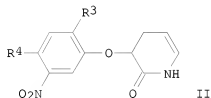
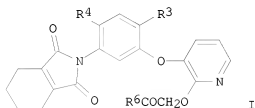
ACCESSION NUMBER: 2003:132363 CAPLUS

DOCUMENT NUMBER: 138:170222

TITLE: Preparation of pyridines as herbicides and their intermediates

INVENTOR(S): Toyama, Yoshitomo; Komori, Takashi; Sanemitsu, Minoru  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 31 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE       | APPLICATION NO. | DATE     |
|------------------------|--------|------------|-----------------|----------|
| JP 2003048886          | A      | 20030221   | JP 2001-234651  | 20010802 |
| PRIORITY APPLN. INFO.: |        |            | JP 2001-234651  | 20010802 |
| OTHER SOURCE(S):       | MARPAT | 138:170222 |                 |          |
| GI                     |        |            |                 |          |

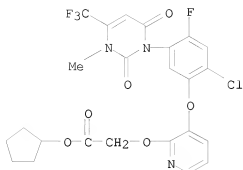


AB Pyridines I [R3 = halo, cyano; R4 = H, halo; R6 = OH, C1-6 (halo)alkoxy, C3-6 (halo)alkenyloxy, C3-6 (halo)alkynyloxy, C1-6 alkylaminooxy, (un)substituted PhO, (un)substituted phenyl-C1-4 alkoxy, amino, etc.], useful as broad-spectrum herbicides with high activity without damaging crops, are prepared via condensation of 3-(3-nitrophenoxy)-1H-pyridin-2-ones II (R3 = halo, cyano; R4 = H, halo) with N2CHCOR61 (R61 = MeO, EtO) in the presence of Rh(II) catalysts. Thus, 3-(5-amino-2-chloro-4-fluorophenoxy)-2-(methoxycarbonylmethoxy)pyridine was treated with 3,4,5,6-tetrahydrophthalic anhydride to give I (R3 = Cl, R4 = F, R6 = OMe), which at 125 g/ha completely inhibited Abutilon avicennae.

IT 353292-11-2P 353292-14-5P 353292-31-6P  
 353292-32-7P 353292-33-8P 353292-39-4P  
 353292-40-7P 353292-42-9P 353292-43-0P  
 477714-35-5P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of pyridines as herbicides)

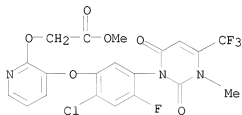
RN 353292-11-2 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



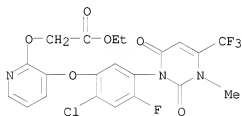
RN 353292-14-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 353292-31-6 CAPLUS

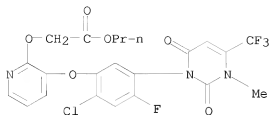
CN Acetic acid, 2-[[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-ethyl ester (CA INDEX NAME)



RN 353292-32-7 CAPLUS

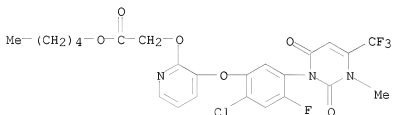
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)





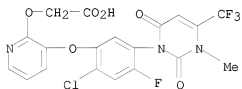
RN 353292-33-8 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-pentyl ester (9CI) (CA INDEX NAME)



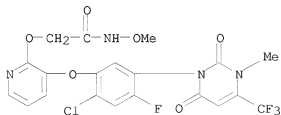
RN 353292-39-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-9CI) (CA INDEX NAME)



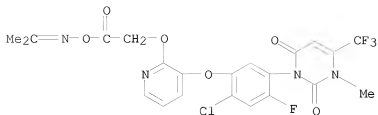
RN 353292-40-7 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



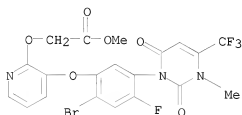
RN 353292-42-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[[1-methylethylidene)amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



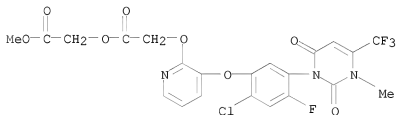
RN 353292-43-0 CAPLUS

CN Acetic acid, [[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 477714-35-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 22 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:63247 CAPLUS

DOCUMENT NUMBER: 138:133145

TITLE: Putative F420-dependent glucose-6-phosphate dehydrogenase from Mycobacterium neoaurum, that degrades uracil backbone containing protoporphyrinogen oxidase (PPO) inhibitor-type herbicides, and encoding gene

INVENTOR(S): Nakajima, Hiroki; Mukumoto, Fujio; Arata, Yuto

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 40 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND DATE

APPLICATION NO.

DATE

JP 2003024072

PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

GI

A

20030128

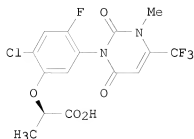
MARPAT 138:133145

JP 2001-205903

JP 2001-205903

20010706

20010706



I

AB A putative F420-dependent glucose-6-phosphate dehydrogenase (FGD) from *Mycobacterium*, capable of reducing the pyrimidinedione double bond of compound I, the gene encoding FGD, expression of the gene in transgenic cells, and use in reducing damage to plants caused by uracil backbone containing protoporphyrinogen oxidase (PPO) inhibitor-type herbicides are disclosed. A mutant of the protein having N-terminal leucine substituted with methionine is claimed. Primers for detecting the gene are provided. Two proteins having the above described activity were isolated from *Mycobacterium neoaurum* JCM6365. The gene coding for the protein was cloned and its sequence was determined and analyzed. The encoded protein was found to have the sequence identical to F420-dependent glucose-6-phosphate dehydrogenase (FGD) from *Mycobacterium*. Recombinant protein expressed in *Escherichia coli* BL21(DE3) metabolized other compds. having structure similar to I.

IT 280762-82-5 280762-88-1 492436-13-2

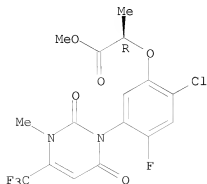
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(degradation of; putative F420-dependent glucose-6-phosphate dehydrogenase from *Mycobacterium neoaurum*, that degrades uracil backbone containing protoporphyrinogen oxidase (PPO) inhibitor-type herbicides, and encoding gene)

RN 280762-82-5 CAPLUS

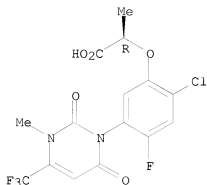
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



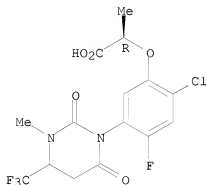
RN 280762-88-1 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 492436-13-2 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-4-fluoro-5-[tetrahydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-, (2R)- (CA INDEX NAME)

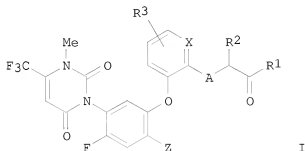
Absolute stereochemistry.



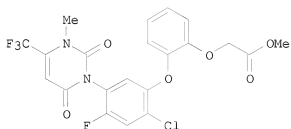
L3 ANSWER 23 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:955421 CAPLUS  
 DOCUMENT NUMBER: 138:39288  
 TITLE: Preparation of 1-methyl-3-(2-fluorophenyl)-1-methyl-6-trifluoromethyl-1,2,3,4-tetrahydropyrimidine-2,4-dione derivatives as defoliants (foliar withering agents)  
 INVENTOR(S): Mito, Nobuaki  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO. | KIND  | DATE  | APPLICATION NO. | DATE  |
|------------|-------|-------|-----------------|-------|
| -----      | ----- | ----- | -----           | ----- |

|                        |                  |          |                |          |
|------------------------|------------------|----------|----------------|----------|
| JP 2002363170          | A                | 20021218 | JP 2001-169271 | 20010605 |
| PRIORITY APPLN. INFO.: |                  |          | JP 2001-169271 | 20010605 |
| OTHER SOURCE(S):       | MARPAT 138:39288 |          |                |          |
| GI                     |                  |          |                |          |



I



II

AB Foliar withering agents for plans and crops containing the title compds. [I; X = CH, N; Z = halo; R1 = HO, C1-7 alkoxy, C3-7 alkenyloxy, C3-7 alkynyloxy, C5-7 cycloalkoxy, (C1-3 alkoxy)carbonyl-C1-3 alkoxy, C1-7 alkylaminoxy, di(C1-7 alkyl)aminoxy, C3-7 alkylideneaminoxy, C1-7 alkylamino, di(C1-7 alkyl)amino, C3-7 alkenylamino, C3-7 alkynylamino, C5-7 cycloalkylamino, (C1-7 alkoxy)carbonyl-C1-3 alkylamino, C1-7 alkoxyamino; R2 = H, Me; R3 = H, halo, C1-3 alkyl, C1-3 alkoxy] as the active ingredients are disclosed. The above plants and crops are selected from potato, sunflower, soy bean, rape (Brassica campestris), and sorghum. These compds. are applied to the above crops before harvest time, which wither leaves and stems of the crops and makes the harvest of crops easier. Thus, 0.58 g MeI was added to a mixture of 0.93 g [2-[2-chloro-4-fluoro-5-[2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid Me ester, 0.31 g K2CO3, and 10 mL DMF and stirred at room temperature for

2

h to give [2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid Me ester (II). II at 10 g/ha completely dried potato plants after 14 days.

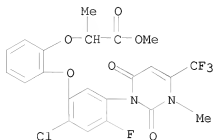
IT 344419-95-0P 344419-97-2P 344419-98-3P  
344419-99-4P 344420-01-5P 344420-04-8P  
344420-05-9P 344420-07-1P 353292-11-2P  
353292-14-5P 353292-24-7P 353292-29-2P  
353292-30-5P 353292-31-6P 353292-32-7P  
353292-40-7P 353292-42-9P 353292-69-0P  
477714-18-4P 477714-25-3P 477714-35-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of methyl(2-fluorophenyl)methylfluoromethylhydropyrimidinedione derivs. as foliar withering agents for crops before harvest)

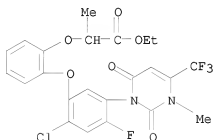
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



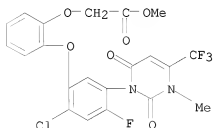
RN 344419-97-2 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



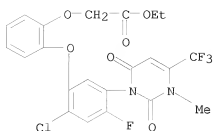
RN 344419-98-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



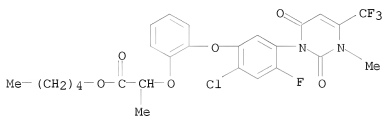
RN 344419-99-4 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



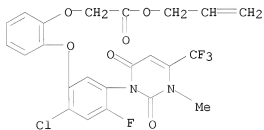
RN 344420-01-5 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)



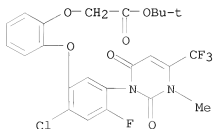
RN 344420-04-8 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



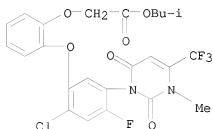
RN 344420-05-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



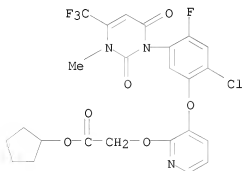
RN 344420-07-1 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



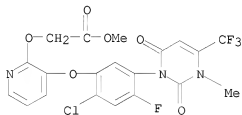
RN 353292-11-2 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



RN 353292-14-5 CAPLUS

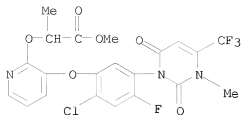
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 353292-24-7 CAPLUS

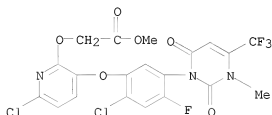
CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxyl]-, methyl ester (CA INDEX NAME)





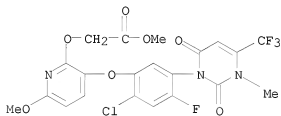
RN 353292-29-2 CAPLUS

CN Acetic acid, [[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



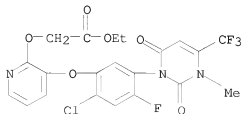
RN 353292-30-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 353292-31-6 CAPLUS

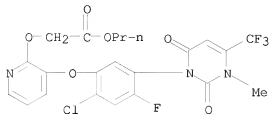
CN Acetic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



RN 353292-32-7 CAPLUS

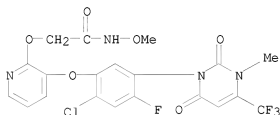
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)

propyl ester (9CI) (CA INDEX NAME)



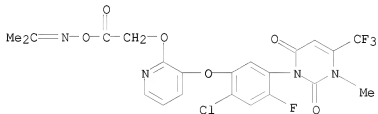
RN 353292-40-7 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



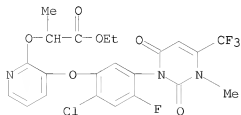
RN 353292-42-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[[1-methylethylidene]amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



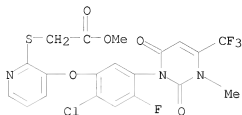
RN 353292-69-0 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-ethyl ester (CA INDEX NAME)



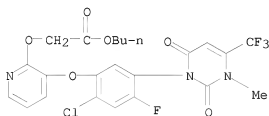
RN 477714-18-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



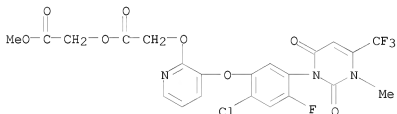
RN 477714-25-3 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, butyl ester (9CI) (CA INDEX NAME)



RN 477714-35-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



IT 344419-93-8P 344420-00-4P 344420-02-6P

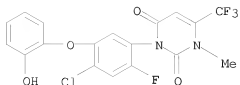
344420-09-3P 344420-46-8P 353292-72-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of methyl(2-fluorophenyl)methylfluoromethylhydropyrimidinedione derivs. as foliar withering agents for crops before harvest)

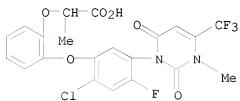
RN 344419-93-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



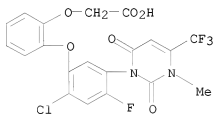
RN 344420-00-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



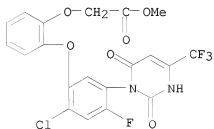
RN 344420-02-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



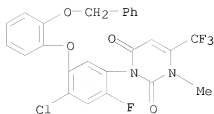
RN 344420-09-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)

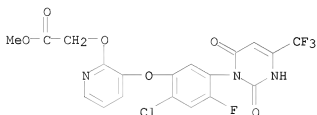


RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



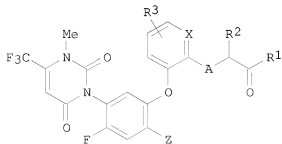
RN 353292-72-5 CAPLUS  
 CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI)  
 (CA INDEX NAME)



L3 ANSWER 24 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:955382 CAPLUS  
 DOCUMENT NUMBER: 138:39287  
 TITLE: Preparation of pyrimidinedione derivatives as plant growth regulator for Gossypium harvesting  
 INVENTOR(S): Mito, Nobuaki  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE             | APPLICATION NO. | DATE     |
|------------------------|------|------------------|-----------------|----------|
| JP 2002363010          | A    | 20021218         | JP 2001-169270  | 20010605 |
| PRIORITY APPLN. INFO.: |      |                  | JP 2001-169270  | 20010605 |
| OTHER SOURCE(S):       |      | MARPAT 138:39287 |                 |          |

GI

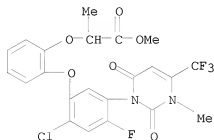


AB Title compds. I (X = CH, N; Z = halo; A = O, S, NH; R1 = OH, alkoxy, etc.; R2 = H, Me; R3 = H, halo, alkyl, alkoxy), useful as plant growth regulator for Gossypium harvesting by promoting defoliation and boll cleavage, are prepared. Thus, methylation of Me [-{2-chloro-4-fluoro-5-[2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy}phenoxy]acetate with MeI in DMF in the presence of K2CO3 gave Me [-{2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy}phenoxy]acetate (II). II promoted defoliation and boll cleavage for Gossypium at 20 g/are.

IT 344419-95-0P 353292-14-5P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of pyrimidinedione derivs. as plant growth regulator for Gossypium harvesting)

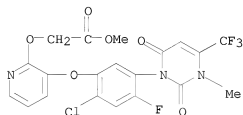
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



RN 353292-14-5 CAPLUS

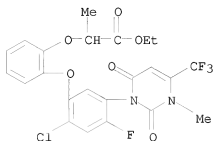
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



IT 344419-97-2P 344419-98-3P 344419-99-4P  
 344420-01-5P 344420-04-8P 344420-05-9P  
 344420-07-1P 353292-24-7P 353292-29-2P  
 353292-30-5P 353292-31-6P 353292-32-7P  
 353292-40-7P 353292-42-9P 353292-69-0P  
 477714-18-4P 477714-32-2P 477714-35-5P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of pyrimidinedione derivs. as plant growth regulator for Gossypium harvesting)

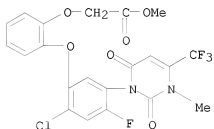
RN 344419-97-2 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



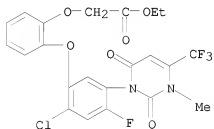
RN 344419-98-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



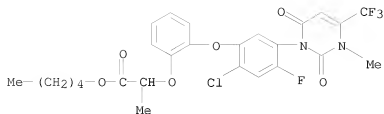
RN 344419-99-4 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



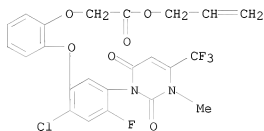
RN 344420-01-5 CAPLUS

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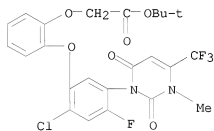
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CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



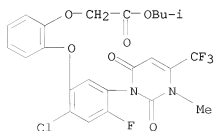
RN 344420-05-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 344420-07-1 CAPLUS

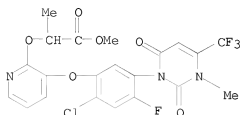
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)





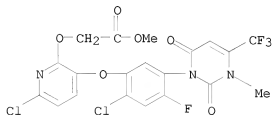
RN 353292-24-7 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



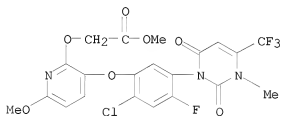
RN 353292-29-2 CAPLUS

CN Acetic acid, [[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



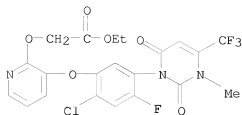
RN 353292-30-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



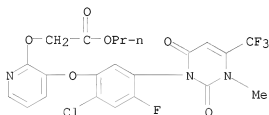
RN 353292-31-6 CAPLUS

CN Acetic acid, 2-[[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



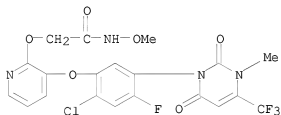
RN 353292-32-7 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



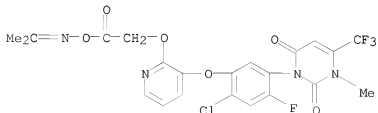
RN 353292-40-7 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



RN 353292-42-9 CAPLUS

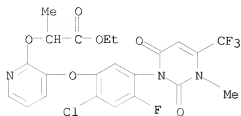
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353292-69-0 CAPLUS

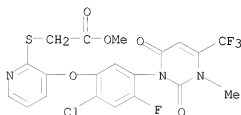
CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)

ethyl ester (CA INDEX NAME)



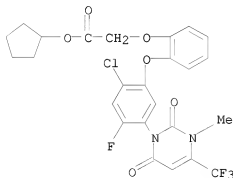
RN 477714-18-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



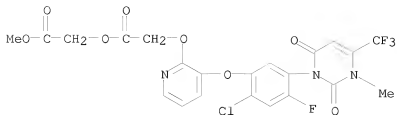
RN 477714-32-2 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)

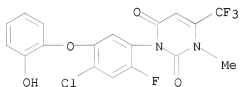


RN 477714-35-5 CAPLUS

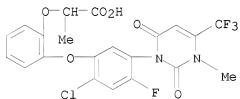
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



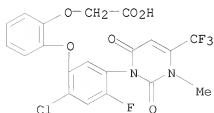
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 353292-72-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of pyrimidinedione derivs. as plant growth regulator for  
 Gossypium harvesting)  
 RN 344419-93-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-  
 hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 344420-00-4 CAPLUS  
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
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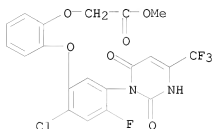


RN 344420-02-6 CAPLUS  
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 INDEX NAME)



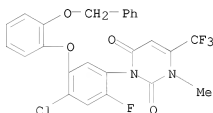
RN 344420-09-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



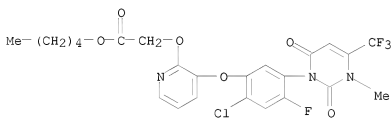
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CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



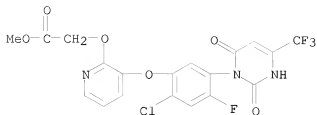
RN 353292-33-8 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



RN 353292-72-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 25 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:946034 CAPLUS

DOCUMENT NUMBER: 138:20911

TITLE: Tetrahydropyrimidines as stem/leaf desiccants

INVENTOR(S): Mito, Nobuaki

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 82 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

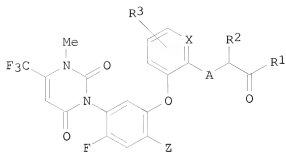
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE     | APPLICATION NO. | DATE        |
|------------------------|--|----------|-----------------|-------------|
| WO 2002098228          | A1   | 20021212 | WO 2001-JP4631  | 20010531    |
| W:                     | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW |          |                 |             |
| RW:                    | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |          |                 |             |
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| AU 2001260688          | A1   | 20021216 | AU 2001-260688  | 20010531    |
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| R:                     | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |          |                 |             |
| BR 2001017036          | A  | 20040727 | BR 2001-17036   | 20010531    |
| EP 1736052             | A2   | 20061227 | EP 2006-18718   | 20010531    |
| R:                     | DE, FR, GB   |          |                 |             |
| US 2004138063          | A1   | 20040715 | US 2003-476605  | 20031103    |
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| US 2006234865          | A1   | 20061019 | US 2006-453968  | 20060616    |
| PRIORITY APPLN. INFO.: |  |          | EP 2001-934478  | A3 20010531 |
|                        |  |          | WO 2001-JP4631  | W 20010531  |
|                        |  |          | US 2003-476605  | A3 20031103 |

OTHER SOURCE(S): MARPAT 138:20911

GI



AB This document discloses a stem/leaf desiccant for crop plants which comprises as the active ingredient a compound represented by the formula I [wherein X represents CH or nitrogen; Z represents halogeno; A represents oxygen, sulfur, or NH; R1 represents OH, [alkyl, alkenyl, alkynyl, cycloalkyl, (alkoxycarbonyl)alkyl, alkylamino, dialkylamino, or (alkylideneamino)oxy, or [alkyl, dialkyl, alkenyl, alkynyl, cycloalkyl, (alkoxycarbonyl)alkyl, or alkoxy]amino; R2 represents hydrogen or CH3; and R3 represents hydrogen, halogeno, alkyl, or alkoxy]; and a method of drying crop plants or of harvesting crops with the desiccant. The bioeffects of I were demonstrated.

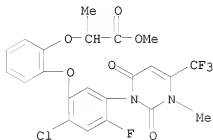
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353292-33-8P 353292-40-7P 353292-42-9P  
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of tetrahydropyrimidines as stem/leaf desiccants)

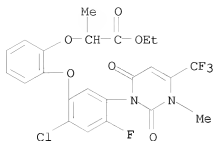
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)

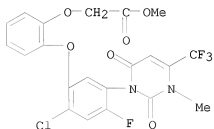


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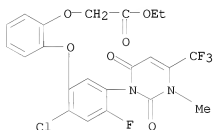
CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



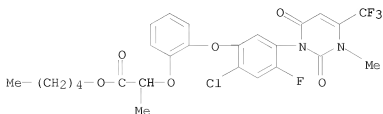
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RN 344419-99-4 CAPLUS  
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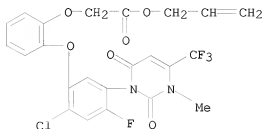
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 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)





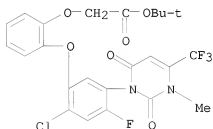
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CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



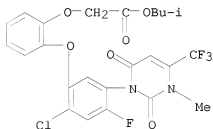
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CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



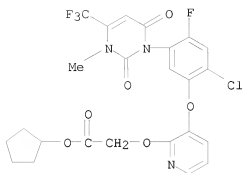
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CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



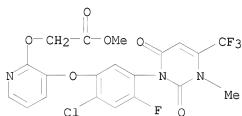
RN 353292-11-2 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



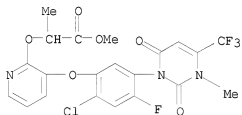
RN 353292-14-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



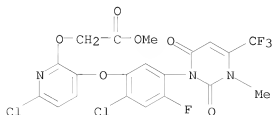
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CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



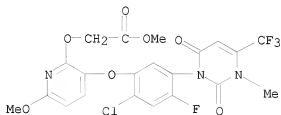
RN 353292-29-2 CAPLUS

CN Acetic acid, [[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



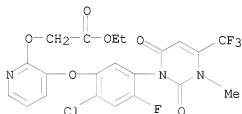
RN 353292-30-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



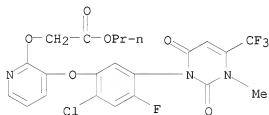
RN 353292-31-6 CAPLUS

CN Acetic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



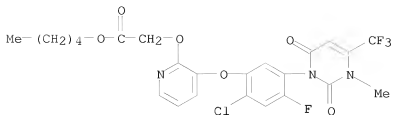
RN 353292-32-7 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



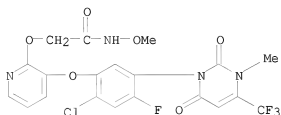
RN 353292-33-8 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



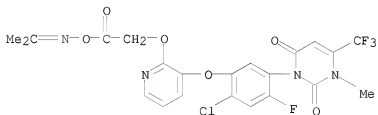
RN 353292-40-7 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



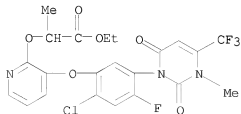
RN 353292-42-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353292-69-0 CAPLUS

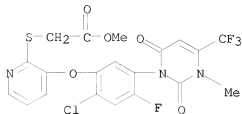
CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



RN 477714-18-4 CAPLUS

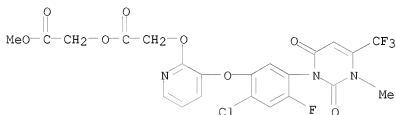
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, (CA INDEX NAME)

methyl ester (9CI) (CA INDEX NAME)



RN 477714-35-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



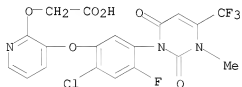
IT 353292-39-4

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of tetrahydropyrimidines as stem/leaf desiccants)

RN 353292-39-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]- (9CI) (CA INDEX NAME)



IT 344419-93-8P 344420-00-4P 344420-02-6P

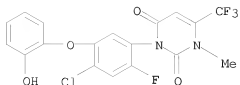
344420-09-3P 344420-46-8P 353292-72-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of tetrahydropyrimidines as stem/leaf desiccants)

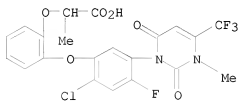
RN 344419-93-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



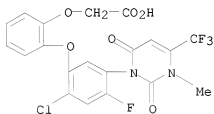
RN 344420-00-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



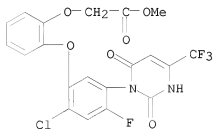
RN 344420-02-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



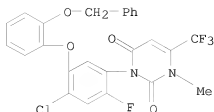
RN 344420-09-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)

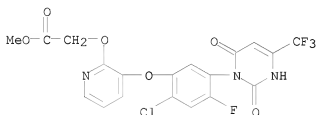


RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



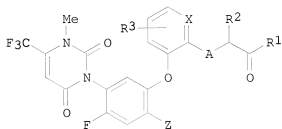
RN 353292-72-5 CAPLUS  
 CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI)  
 (CA INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 26 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:946033 CAPLUS  
 DOCUMENT NUMBER: 138:20910  
 TITLE: Preparation of 3-Methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidine derivatives as plant growth regulators for cotton  
 Mito, Nobuaki  
 INVENTOR(S): Sumitomo Chemical Company, Limited, Japan  
 PATENT ASSIGNEE(S): PCT Int. Appl., 78 pp.  
 SOURCE: CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2002098227   | A1   | 20021212 | WO 2001-JP4584  | 20010531 |
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| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| AU 2001262676   | A1   | 20021216 | AU 2001-262676  | 20010531 |
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| BR 2001017032   | A    | 20040420 | BR 2001-17032   | 20010531 |
| US 2004152597   | A1   | 20040805 | US 2003-476511  | 20031103 |
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I

AB Plant growth regulators for cotton containing as an active ingredient a compound

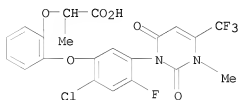
I (X = CH, or N; Z = halo; A = O, S, or NH; R1 = OH, C1-C7 alkoxy, C3-C7 alkenyloxy, C3-C7 alkynyloxy, C5-C7 cycloalkoxy, [di(C1-C7 alkoxy)carbonyl]C1-C3 alkoxy, (C1-C7 alkylamino)oxy, [di(C1-C7 alkyl)amino]oxy, (C3-C7 alkylideneamino)oxy, C1-C7 alkylamino, di(C1-C7 alkyl)amino, C3-C7 alkenylamino, C3-C7 alkynylamino, C5-C7 cycloalkylamino, [(C1-C7 alkoxy)carbonyl]C1-C3 alkylamino, or (C1-C7 alkoxy)amino; R2 = H, or Me; R3 = H, halo, C1-C3 alkyl, or C1-C3 alkoxy) are prepared

IT 344420-00-4P, 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionic acid

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation as plant growth regulator for cotton)

RN 344420-00-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



IT 344419-95-0P, Methyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionate 344419-97-2P, Ethyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionate 344419-98-3P, Methyl 2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344419-99-4P, Ethyl 2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344420-01-5P, Pentyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-



yl]phenoxy]phenoxy]propionate 344420-04-8P, Allyl[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344420-05-9P 344420-07-1P, Isobutyl[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344420-27-5P 344420-28-6P 353292-11-2P 353292-14-5P 353292-24-7P 353292-29-2P 353292-30-5P 353292-31-6P 353292-32-7P 353292-33-8P 353292-40-7P 353292-42-9P 353292-43-0P 353292-69-0P 380500-88-9P 380500-89-0P 380500-95-8P 380500-96-9P 380922-42-9P 382595-63-3P 382595-64-4P 384835-06-7P 384835-15-8P 477714-15-1P 477714-16-2P 477714-17-3P 477714-18-4P 477714-19-5P 477714-20-8P 477714-21-9P 477714-22-0P 477714-23-1P 477714-24-2P 477714-25-3P 477714-26-4P 477714-27-5P 477714-28-6P 477714-29-7P 477714-30-0P 477714-31-1P 477714-32-2P 477714-33-3P 477714-34-4P 477714-35-5P 477714-36-6P 477714-37-7P 477714-38-8P 477714-39-9P 477714-40-2P 477714-41-3P 477714-42-4P 477714-43-5P 477714-44-6P 477714-45-7P 477714-46-8P 477714-47-9P 477714-48-0P 477714-49-1P 477714-50-4P 477714-51-5P 477714-52-6P 477714-53-7P 477714-54-8P 477714-55-9P 477714-56-0P 477714-57-1P 477714-58-2P 477714-59-3P 477714-60-6P 477714-61-7P 477714-62-8P 477714-63-9P 477714-64-0P 477714-65-1P 477714-66-2P 477714-67-3P 477714-68-4P 477714-69-5P 477714-70-8P 477714-71-9P 477714-72-0P 477714-73-1P 477714-74-2P 477714-75-3P 477714-76-4P 477714-77-5P 477714-78-6P 477714-79-7P 477714-80-0P 477714-81-1P 477714-82-2P 477714-83-3P 477714-84-4P 477714-85-5P 477714-86-6P 477714-87-7P 477714-88-8P 477714-89-9P 477714-90-2P 477714-91-3P 477714-92-4P 477714-93-5P 477714-94-6P 477714-95-7P 477714-96-8P 477714-97-9P 477714-98-0P 477714-99-1P 477715-00-7P 477715-01-8P 477715-02-9P 477715-03-0P 477715-04-1P 477715-05-2P 477715-06-3P 477715-07-4P 477715-08-5P 477715-09-6P 477715-10-9P 477715-11-0P 477715-12-1P 477715-13-2P 477715-14-3P 477715-15-4P 477715-16-5P 477715-17-6P 477715-18-7P 477715-19-8P 477715-20-1P 477715-21-2P 477715-22-3P 477715-23-4P 477715-24-5P 477715-25-6P 477715-26-7P 477715-27-8P 477715-28-9P 477715-29-0P 477715-30-3P 477715-31-4P 477715-32-5P 477715-33-6P 477715-34-7P 477715-35-8P 477715-36-9P 477715-37-0P 477715-38-1P 477715-39-2P 477715-40-5P 477715-41-6P 477715-42-7P 477715-43-8P 477715-44-9P 477715-45-0P 477715-46-1P 477715-47-2P 477715-48-3P 477715-49-4P 477715-50-7P 477715-51-8P 477715-52-9P 477715-53-0P 477715-54-1P 477715-55-2P 477715-56-3P 477715-57-4P 477715-58-5P 477715-59-6P 477715-60-9P 477715-61-0P

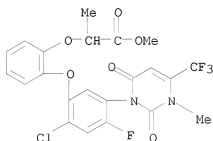
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation as plant growth regulator for cotton)

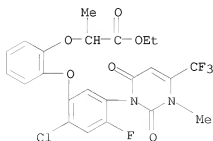
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
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 ester (CA INDEX NAME)



RN 344419-97-2 CAPLUS

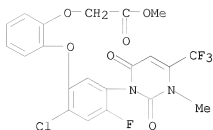
CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
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 ester (CA INDEX NAME)



RN 344419-98-3 CAPLUS

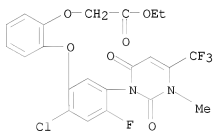
CN Acetic acid, [2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
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ester (9CI) (CA INDEX NAME)



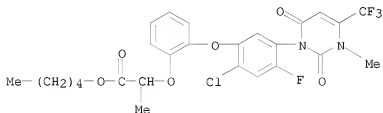
RN 344419-99-4 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



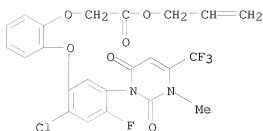
RN 344420-01-5 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)



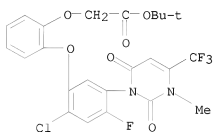
RN 344420-04-8 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



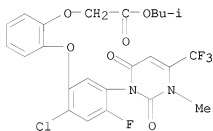
RN 344420-05-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



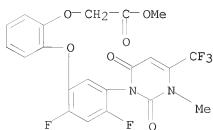
RN 344420-07-1 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



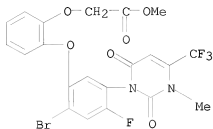
RN 344420-27-5 CAPLUS

CN Acetic acid, [2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



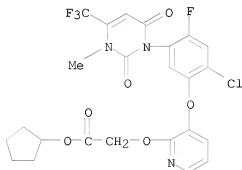
RN 344420-28-6 CAPLUS

CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



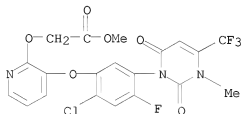
RN 353292-11-2 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



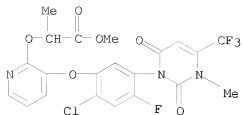
RN 353292-14-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



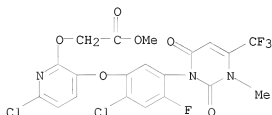
RN 353292-24-7 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



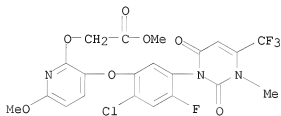
RN 353292-29-2 CAPLUS

CN Acetic acid, [[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



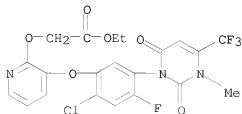
RN 353292-30-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 353292-31-6 CAPLUS

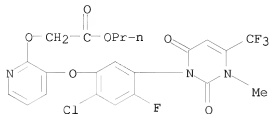
CN Acetic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



RN 353292-32-7 CAPLUS

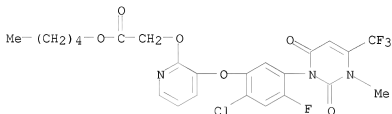
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)

propyl ester (9CI) (CA INDEX NAME)



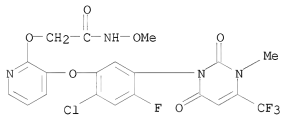
RN 353292-33-8 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



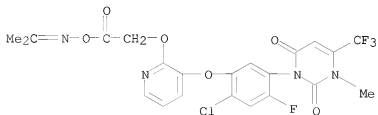
RN 353292-40-7 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



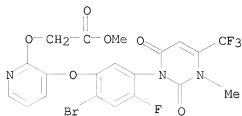
RN 353292-42-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



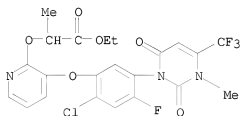
RN 353292-43-0 CAPLUS

CN Acetic acid, [[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



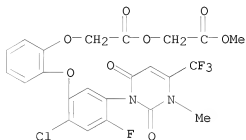
RN 353292-69-0 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



RN 380500-88-9 CAPLUS

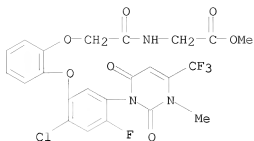
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



RN 380500-89-0 CAPLUS

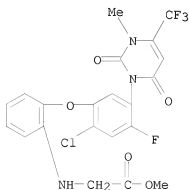
CN Glycine, N-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetyl]-, methyl ester (9CI) (CA INDEX NAME)





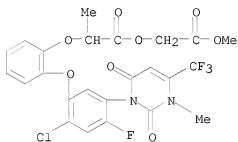
RN 380500-95-8 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



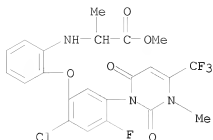
RN 380500-96-9 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methoxy-2-oxoethyl ester (CA INDEX NAME)



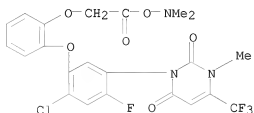
RN 380922-42-9 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



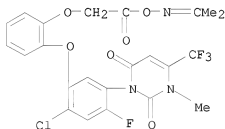
RN 382595-63-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(dimethylamino)oxy]-2-oxoethoxy]phenoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI)  
(CA INDEX NAME)



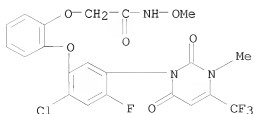
RN 382595-64-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[2-[[1-methylethylidene)amino]oxy]-2-oxoethoxy]phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

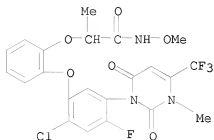


RN 384835-06-7 CAPLUS

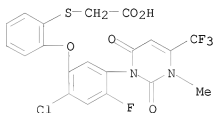
CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methoxy- (CA INDEX NAME)



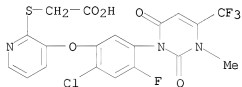
RN 384835-15-8 CAPLUS  
 CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methoxy-  
 (CA INDEX NAME)



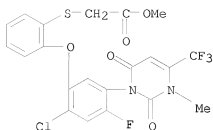
RN 477714-15-1 CAPLUS  
 CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]- (9CI)  
 (CA INDEX NAME)



RN 477714-16-2 CAPLUS  
 CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]- (9CI) (CA INDEX NAME)

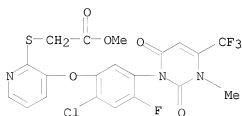


RN 477714-17-3 CAPLUS  
 CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



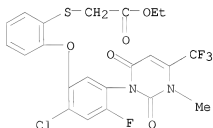
RN 477714-18-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



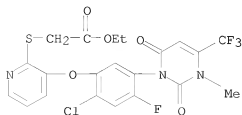
RN 477714-19-5 CAPLUS

CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



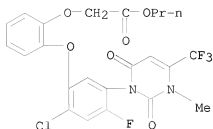
RN 477714-20-8 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)

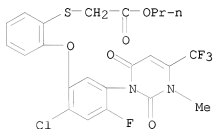


RN 477714-21-9 CAPLUS

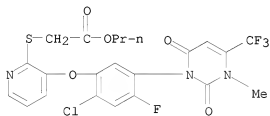
RN 477714-22-0 CAPLUS  
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, propyl ester (9CI) (CA INDEX NAME)



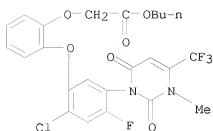
RN 477714-22-0 CAPLUS  
 CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, propyl ester (9CI) (CA INDEX NAME)



RN 477714-23-1 CAPLUS  
 CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, propyl ester (9CI) (CA INDEX NAME)

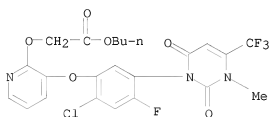


RN 477714-24-2 CAPLUS  
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, butyl ester (9CI) (CA INDEX NAME)



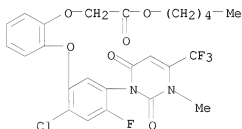
RN 477714-25-3 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, butyl ester (9CI) (CA INDEX NAME)



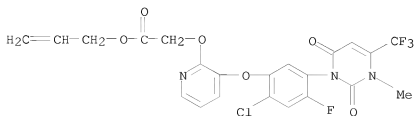
RN 477714-26-4 CAPLUS

CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (9CI) (CA INDEX NAME)



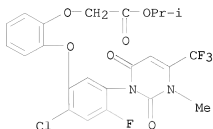
RN 477714-27-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



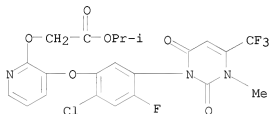
RN 477714-28-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



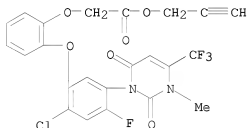
RN 477714-29-7 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



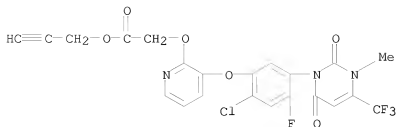
RN 477714-30-0 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propynyl ester (9CI) (CA INDEX NAME)



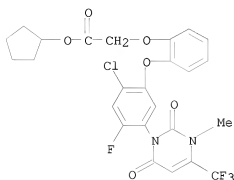
RN 477714-31-1 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-propynyl ester (9CI) (CA INDEX NAME)



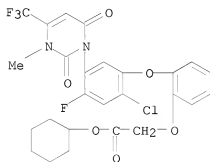
RN 477714-32-2 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



RN 477714-33-3 CAPLUS

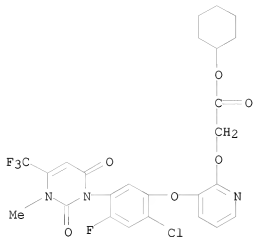
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclohexyl ester (9CI) (CA INDEX NAME)



RN 477714-34-4 CAPLUS

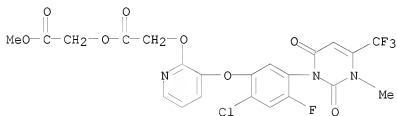
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclohexyl ester (9CI) (CA INDEX NAME)





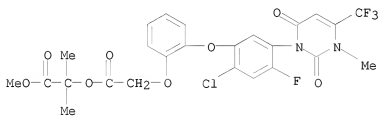
RN 477714-35-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



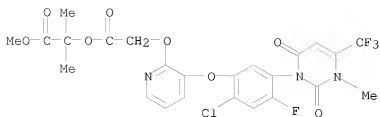
RN 477714-36-6 CAPLUS

CN Propanoic acid, 2-[[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetyl]oxy]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



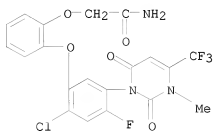
RN 477714-37-7 CAPLUS

CN Propanoic acid, 2-[[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]acetyl]oxy]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



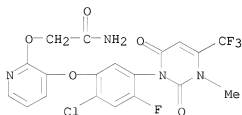
RN 477714-38-8 CAPLUS

CN Acetamide, 2-([2-chloro-5-([3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-2-yl]-4-fluorophenoxy)phenyl]oxy)- (CA INDEX NAME)



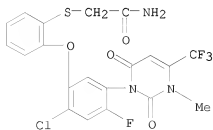
RN 477714-39-9 CAPLUS

CN Acetamide, 2-([3-([2-chloro-5-([3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-2-yl]-4-fluorophenoxy)-2-pyridinyl]oxy)phenyl]thio)- (CA INDEX NAME)



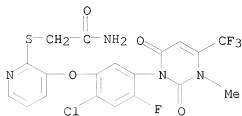
RN 477714-40-2 CAPLUS

CN Acetamide, 2-([2-chloro-5-([3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-2-yl]-4-fluorophenoxy)phenyl]thio)- (CA INDEX NAME)



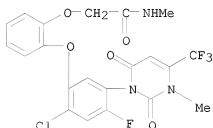
RN 477714-41-3 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-  
(CA INDEX NAME)



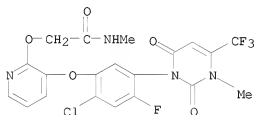
RN 477714-42-4 CAPLUS

CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methyl-  
(CA INDEX NAME)



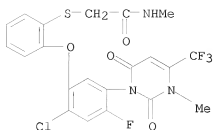
RN 477714-43-5 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methyl-  
(CA INDEX NAME)



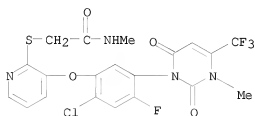
RN 477714-44-6 CAPLUS

CN Acetamide, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-N-methyl-  
(CA INDEX NAME)



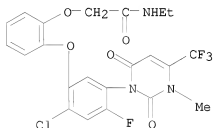
RN 477714-45-7 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-N-methyl- (CA INDEX NAME)



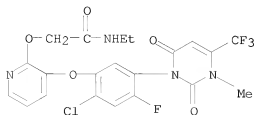
RN 477714-46-8 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-ethyl- (CA INDEX NAME)



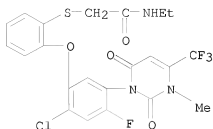
RN 477714-47-9 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-ethyl- (CA INDEX NAME)

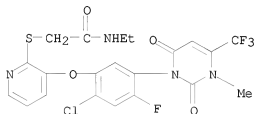


RN 477714-48-0 CAPLUS

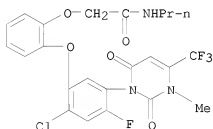
RN 477714-49-1 CAPLUS  
 CN Acetamide, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-N-ethyl-  
 (CA INDEX NAME)



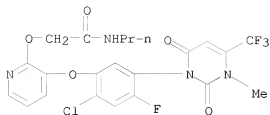
RN 477714-49-1 CAPLUS  
 CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-N-ethyl-  
 (CA INDEX NAME)



RN 477714-50-4 CAPLUS  
 CN Acetamide, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-propyl-  
 (CA INDEX NAME)

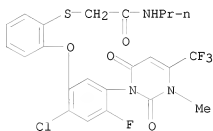


RN 477714-51-5 CAPLUS  
 CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-propyl-  
 (CA INDEX NAME)



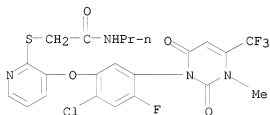
RN 477714-52-6 CAPLUS

CN Acetamide, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-N-propyl- (CA INDEX NAME)



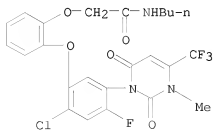
RN 477714-53-7 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-N-propyl- (CA INDEX NAME)



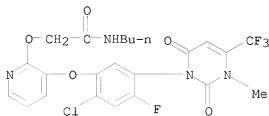
RN 477714-54-8 CAPLUS

CN Acetamide, N-butyl-2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-butyl- (CA INDEX NAME)



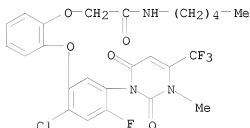
RN 477714-55-9 CAPLUS

CN Acetamide, N-butyl-2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-  
(CA INDEX NAME)



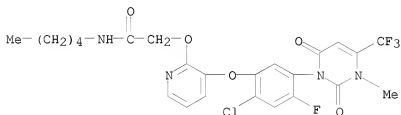
RN 477714-56-0 CAPLUS

CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-pentyl-  
(CA INDEX NAME)



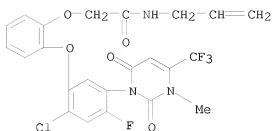
RN 477714-57-1 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-pentyl-  
(CA INDEX NAME)



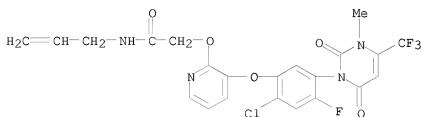
RN 477714-58-2 CAPLUS

CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-2-propenyl-  
(9CI) (CA INDEX NAME)



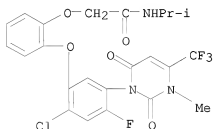
RN 477714-59-3 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-2-propenyl]- (9CI) (CA INDEX NAME)



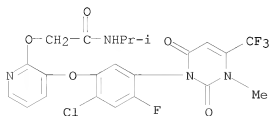
RN 477714-60-6 CAPLUS

CN Acetamide, 2-[[2-[2-chloro-5-[[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-(1-methylethyl)- (CA INDEX NAME)



RN 477714-61-7 CAPLUS

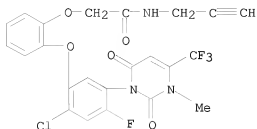
CN Acetamide, 2-[[3-[2-chloro-5-[[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-(1-methylethyl)- (CA INDEX NAME)



RN 477714-62-8 CAPLUS

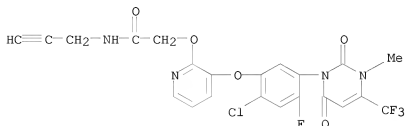


CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-2-propynyl- (9CI) (CA INDEX NAME)



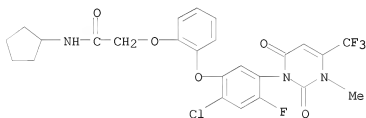
RN 477714-63-9 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-2-propynyl- (9CI) (CA INDEX NAME)



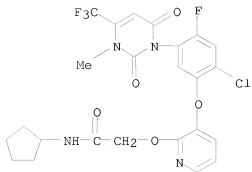
RN 477714-64-0 CAPLUS

CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-cyclopentyl- (CA INDEX NAME)



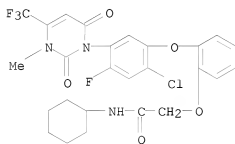
RN 477714-65-1 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-cyclopentyl- (CA INDEX NAME)



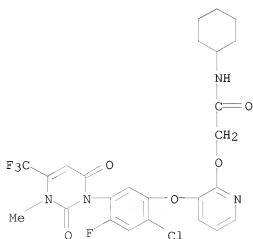
RN 477714-66-2 CAPLUS

CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-cyclohexyl- (CA INDEX NAME)



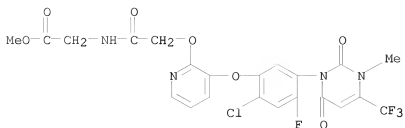
RN 477714-67-3 CAPLUS

CN Acetamide, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-cyclohexyl- (CA INDEX NAME)



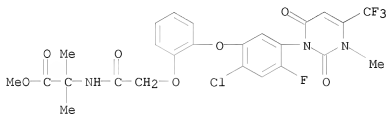
RN 477714-68-4 CAPLUS

CN Glycine, N-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]acetyl]-, methyl ester (9CI) (CA INDEX NAME)



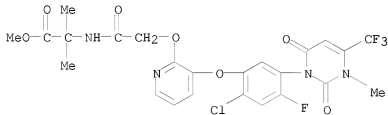
RN 477714-69-5 CAPLUS

CN Alanine, N-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetyl]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



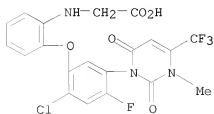
RN 477714-70-8 CAPLUS

CN Alanine, N-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]pyridinyl]oxy]acetyl]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



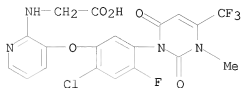
RN 477714-71-9 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]- (CA INDEX NAME)



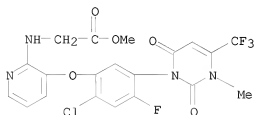
RN 477714-72-0 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]- (CA INDEX NAME)



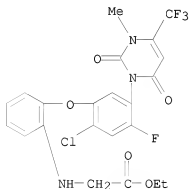
RN 477714-73-1 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, methyl ester (CA INDEX NAME)



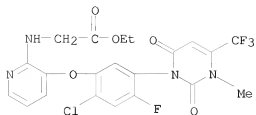
RN 477714-74-2 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, ethyl ester (CA INDEX NAME)



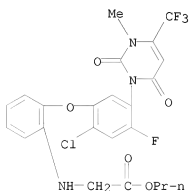
RN 477714-75-3 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, ethyl ester (CA INDEX NAME)



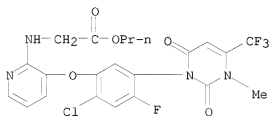
RN 477714-76-4 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, propyl ester (CA INDEX NAME)



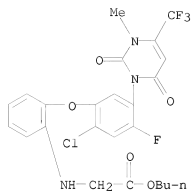
RN 477714-77-5 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, propyl ester (CA INDEX NAME)



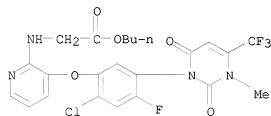
RN 477714-78-6 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, butyl ester (CA INDEX NAME)



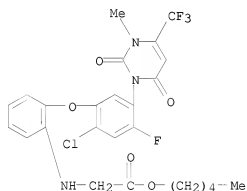
RN 477714-79-7 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, butyl ester (CA INDEX NAME)



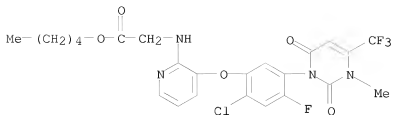
RN 477714-80-0 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, pentyl ester (CA INDEX NAME)



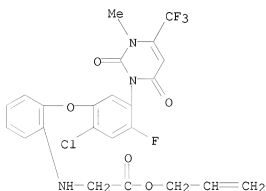
RN 477714-81-1 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, pentyl ester (CA INDEX NAME)



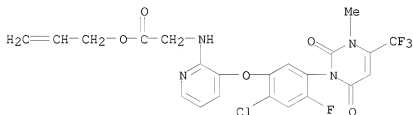
RN 477714-82-2 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)



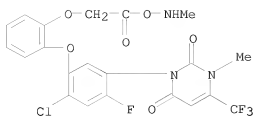
RN 477714-83-3 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)



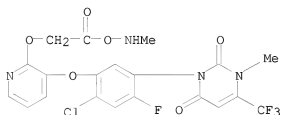
RN 477714-84-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[2-[(methylamino)oxyl]-2-oxoethoxy]phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



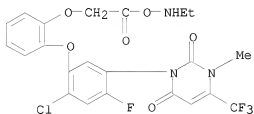
RN 477714-85-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[(methylamino)oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



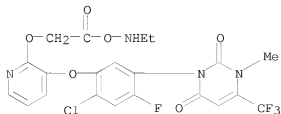
RN 477714-86-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(ethylamino)oxy]-2-oxoethoxy]phenoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 477714-87-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[2-[2-[(ethylamino)oxy]-2-oxoethoxy]-3-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

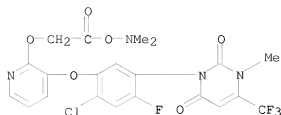


RN 477714-88-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[2-[2-[(dimethylamino)oxy]-2-oxoethoxy]-3-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-

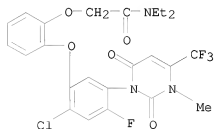


(9CI) (CA INDEX NAME)



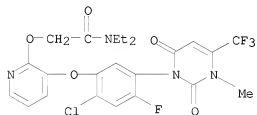
RN 477714-89-9 CAPLUS

CN Acetamide, 2-([2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy)-N,N-diethyl- (CA INDEX NAME)



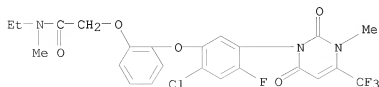
RN 477714-90-2 CAPLUS

CN Acetamide, 2-([3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy)-N,N-diethyl- (CA INDEX NAME)



RN 477714-91-3 CAPLUS

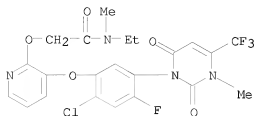
CN Acetamide, 2-([3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-ethyl-N-methyl- (CA INDEX NAME)



RN 477714-92-4 CAPLUS

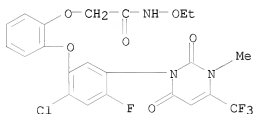
CN Acetamide, 2-([3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-ethyl-N-methyl- (CA INDEX NAME)



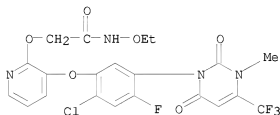
RN 477714-93-5 CAPLUS

CN Acetamide, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-ethoxy- (CA INDEX NAME)



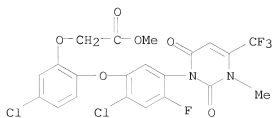
RN 477714-94-6 CAPLUS

CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-ethoxy- (CA INDEX NAME)



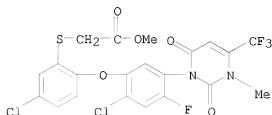
RN 477714-95-7 CAPLUS

CN Acetic acid, [5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



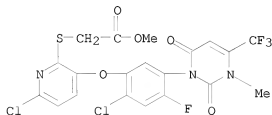
RN 477714-96-8 CAPLUS

CN Acetic acid, [[5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



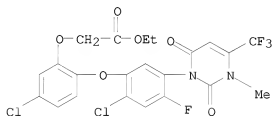
RN 477714-97-9 CAPLUS

CN Acetic acid, [[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



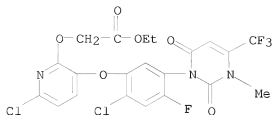
RN 477714-98-0 CAPLUS

CN Acetic acid, [[5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



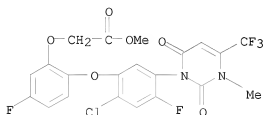
RN 477714-99-1 CAPLUS

CN Acetic acid, [[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



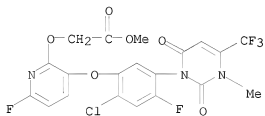
RN 477715-00-7 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-fluorophenyl]-, methyl ester (9CI) (CA INDEX NAME)



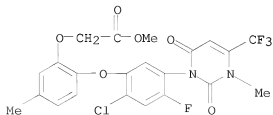
RN 477715-01-8 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 477715-02-9 CAPLUS

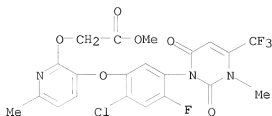
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methylphenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 477715-03-0 CAPLUS

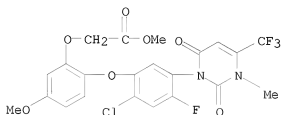
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methyl-2-

pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



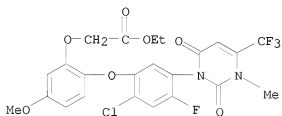
RN 477715-04-1 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methoxyphenoxy]-, methyl ester (9CI) (CA INDEX NAME)



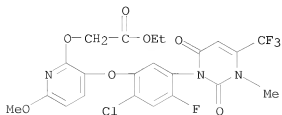
RN 477715-05-2 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methoxyphenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



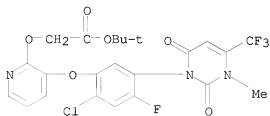
RN 477715-06-3 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



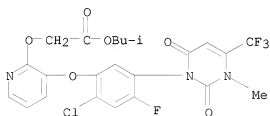
RN 477715-07-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



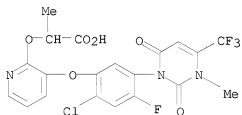
RN 477715-08-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



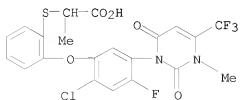
RN 477715-09-6 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]- (CA INDEX NAME)



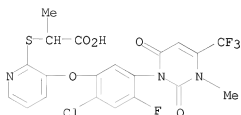
RN 477715-10-9 CAPLUS

CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]- (CA INDEX NAME)



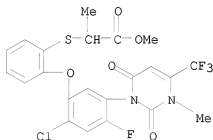
RN 477715-11-0 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-  
(CA INDEX NAME)



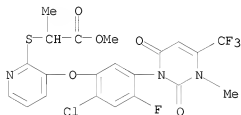
RN 477715-12-1 CAPLUS

CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, methyl ester (CA INDEX NAME)



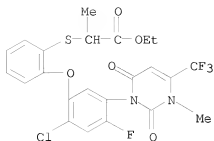
RN 477715-13-2 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (CA INDEX NAME)



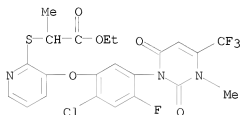
RN 477715-14-3 CAPLUS

CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, ethyl ester (CA INDEX NAME)



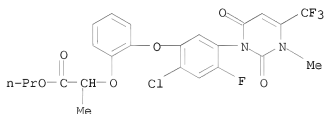
RN 477715-15-4 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, ethyl ester (CA INDEX NAME)



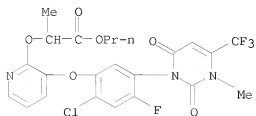
RN 477715-16-5 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, propyl ester (CA INDEX NAME)



RN 477715-17-6 CAPLUS

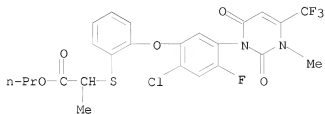
CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (CA INDEX NAME)



RN 477715-18-7 CAPLUS

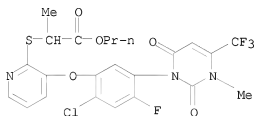


CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, propyl ester (CA INDEX NAME)



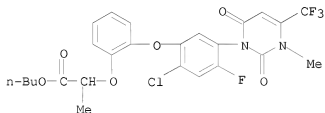
RN 477715-19-8 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, propyl ester (CA INDEX NAME)



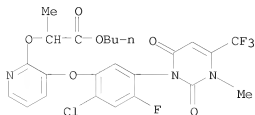
RN 477715-20-1 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, butyl ester (CA INDEX NAME)



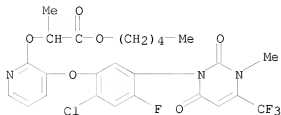
RN 477715-21-2 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, butyl ester (CA INDEX NAME)



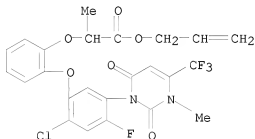
RN 477715-22-3 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (CA INDEX NAME)



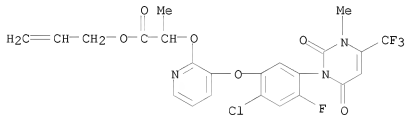
RN 477715-23-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



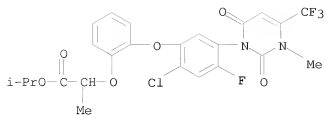
RN 477715-24-5 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



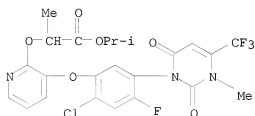
RN 477715-25-6 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1-methylethyl ester (CA INDEX NAME)



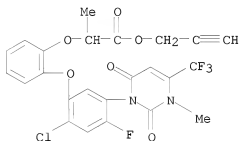
RN 477715-26-7 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 1-methylethyl ester (CA INDEX NAME)



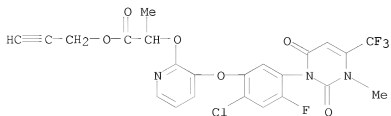
RN 477715-27-8 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propynyl ester (9CI) (CA INDEX NAME)



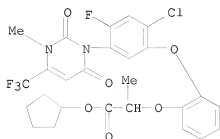
RN 477715-28-9 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-propynyl ester (9CI) (CA INDEX NAME)



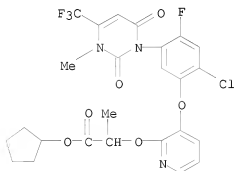
RN 477715-29-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclopentyl ester (CA INDEX NAME)



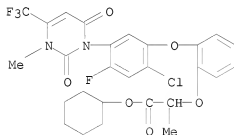
RN 477715-30-3 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (CA INDEX NAME)



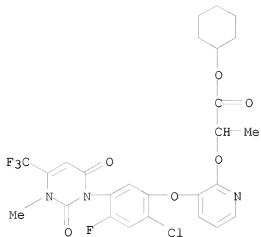
RN 477715-31-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclohexyl ester (CA INDEX NAME)



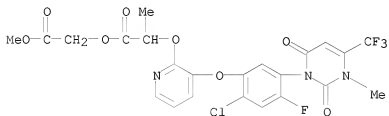
RN 477715-32-5 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclohexyl ester (CA INDEX NAME)



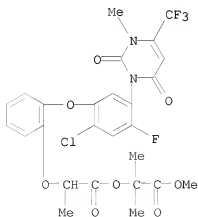
RN 477715-33-6 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-2-methoxy-2-oxoethyl ester (CA INDEX NAME)



RN 477715-34-7 CAPLUS

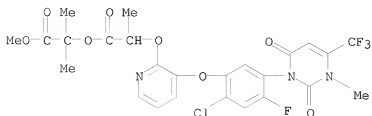
CN Propanoic acid, 2-[2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-1-oxopropoxy]-2-methyl-, methyl ester (CA INDEX NAME)



RN 477715-35-8 CAPLUS

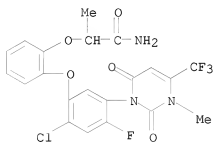
CN Propanoic acid, 2-[2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-2-methyl-, methyl ester (CA INDEX NAME)

oxopropoxyl-2-methyl-, methyl ester (CA INDEX NAME)



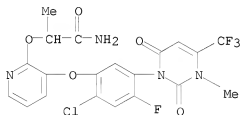
RN 477715-36-9 CAPLUS

CN Propanamide, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



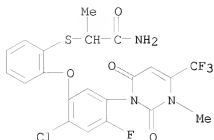
RN 477715-37-0 CAPLUS

CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]- (CA INDEX NAME)



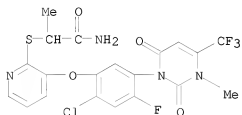
RN 477715-38-1 CAPLUS

CN Propanamide, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]- (CA INDEX NAME)



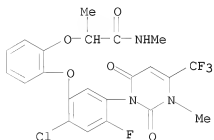
RN 477715-39-2 CAPLUS

CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]- (CA INDEX NAME)



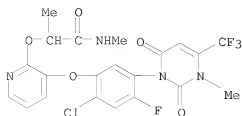
RN 477715-40-5 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methyl- (CA INDEX NAME)

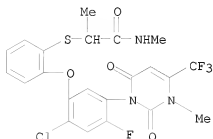


RN 477715-41-6 CAPLUS

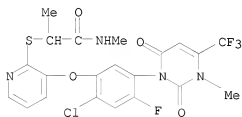
CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methyl- (CA INDEX NAME)



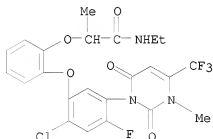
RN 477715-42-7 CAPLUS  
 CN Propanamide, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-N-methyl-  
 (CA INDEX NAME)



RN 477715-43-8 CAPLUS  
 CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-N-methyl- (CA INDEX NAME)

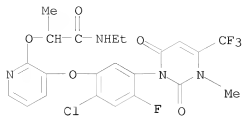


RN 477715-44-9 CAPLUS  
 CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-ethyl-  
 (CA INDEX NAME)



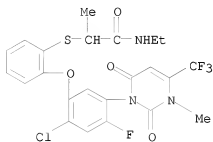
RN 477715-45-0 CAPLUS  
 CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-ethyl- (CA INDEX NAME)





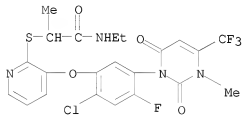
RN 477715-46-1 CAPLUS

CN Propanamide, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-N-ethyl- (CA INDEX NAME)



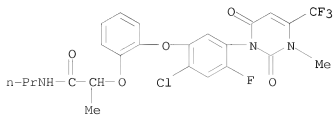
RN 477715-47-2 CAPLUS

CN Propanamide, 2-[[3-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-N-ethyl- (CA INDEX NAME)



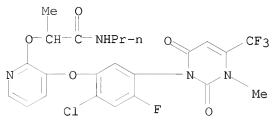
RN 477715-48-3 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-propyl- (CA INDEX NAME)



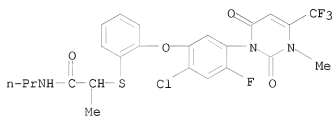
RN 477715-49-4 CAPLUS

CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-propyl- (CA INDEX NAME)



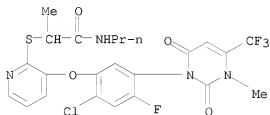
RN 477715-50-7 CAPLUS

CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-N-propyl- (CA INDEX NAME)



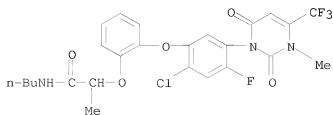
RN 477715-51-8 CAPLUS

CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-N-propyl- (CA INDEX NAME)

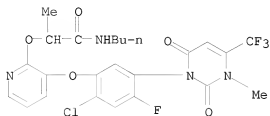


RN 477715-52-9 CAPLUS

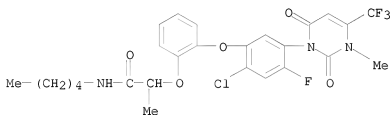
CN Propanamide, N-butyl-2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



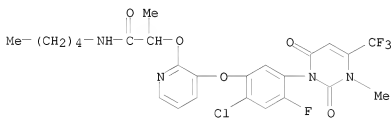
RN 477715-53-0 CAPLUS  
 CN Propanamide, N-butyl-2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-  
 (CA INDEX NAME)



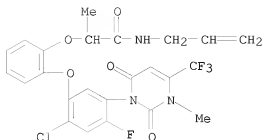
RN 477715-54-1 CAPLUS  
 CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-pentyl-  
 (CA INDEX NAME)



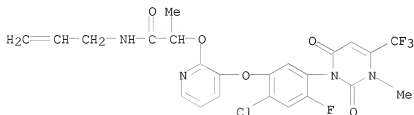
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 CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-pentyl-  
 (CA INDEX NAME)



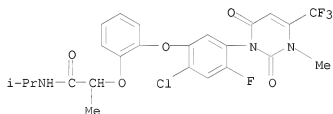
RN 477715-56-3 CAPLUS  
 CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-2-propenyl-  
 (9CI) (CA INDEX NAME)



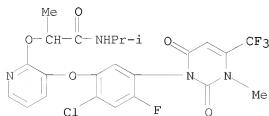
RN 477715-57-4 CAPLUS  
 CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-2-propenyl- (9CI) (CA INDEX NAME)



RN 477715-58-5 CAPLUS  
 CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-(1-methylethyl)- (CA INDEX NAME)

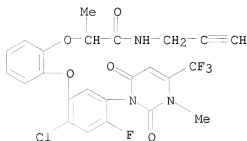


RN 477715-59-6 CAPLUS  
 CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-(1-methylethyl)- (CA INDEX NAME)



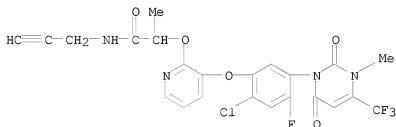
RN 477715-60-9 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-2-propynyl- (9CI) (CA INDEX NAME)



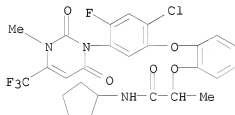
RN 477715-61-0 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-2-propynyl- (9CI) (CA INDEX NAME)



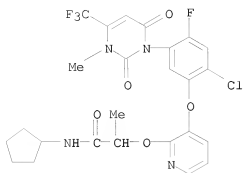
RN 477715-62-1 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-cyclopentyl- (CA INDEX NAME)



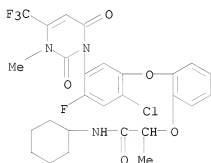
RN 477715-63-2 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-cyclopentyl- (CA INDEX NAME)



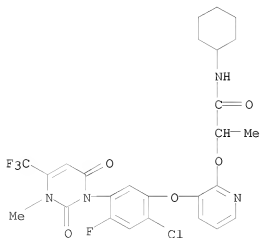
RN 477715-64-3 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-cyclohexyl- (CA INDEX NAME)



RN 477715-65-4 CAPLUS

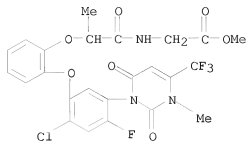
CN Propanamide, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-cyclohexyl- (CA INDEX NAME)



RN 477715-66-5 CAPLUS

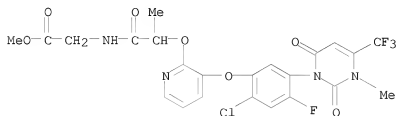
CN Glycine, N-[2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-1-oxopropyl]- (CA INDEX NAME)

, methyl ester (CA INDEX NAME)



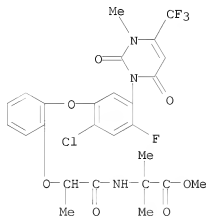
RN 477715-67-6 CAPLUS

CN Glycine, N-[2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-1-oxopropyl]-, methyl ester (CA INDEX NAME)



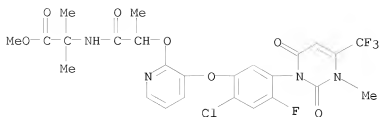
RN 477715-68-7 CAPLUS

CN Alanine, N-[2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-1-oxopropyl]-2-methyl-, methyl ester (CA INDEX NAME)



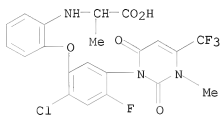
RN 477715-69-8 CAPLUS

CN Alanine, N-[2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-1-oxopropyl]-2-methyl-, methyl ester (CA INDEX NAME)



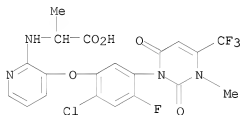
RN 477715-70-1 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]- (CA INDEX NAME)



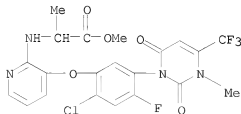
RN 477715-71-2 CAPLUS

CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]- (CA INDEX NAME)



RN 477715-72-3 CAPLUS

CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, methyl ester (CA INDEX NAME)

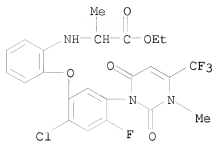


RN 477715-73-4 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, ethyl ester

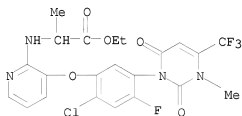


(CA INDEX NAME)



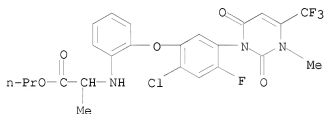
RN 477715-74-5 CAPLUS

CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, ethyl ester (CA INDEX NAME)



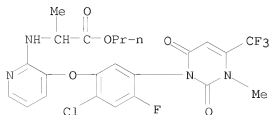
RN 477715-75-6 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, propyl ester (CA INDEX NAME)



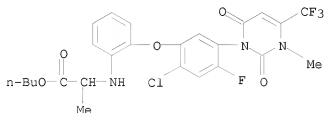
RN 477715-76-7 CAPLUS

CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, propyl ester (CA INDEX NAME)



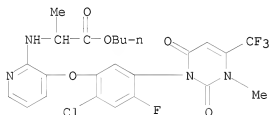
RN 477715-77-8 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, butyl ester (CA INDEX NAME)



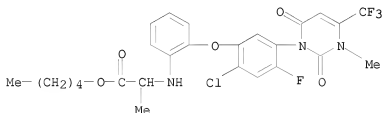
RN 477715-78-9 CAPLUS

CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, butyl ester (CA INDEX NAME)



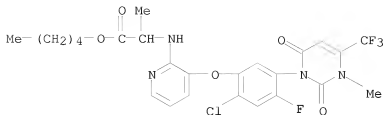
RN 477715-79-0 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, pentyl ester (CA INDEX NAME)



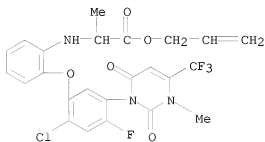
RN 477715-80-3 CAPLUS

CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, pentyl ester (CA INDEX NAME)



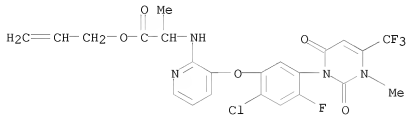
RN 477715-81-4 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)



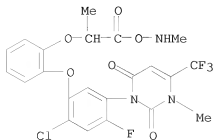
RN 477715-82-5 CAPLUS

CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)



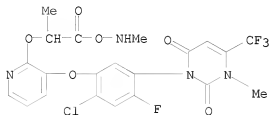
RN 477715-83-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[1-methyl-2-[(methylamino)oxy]-2-oxoethoxy]phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



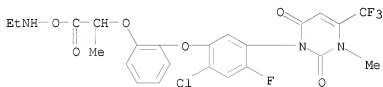
RN 477715-84-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[1-methyl-2-[(methylamino)oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



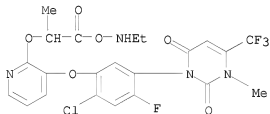
RN 477715-85-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(ethylamino)oxy]-1-methyl-2-oxoethoxy]phenoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



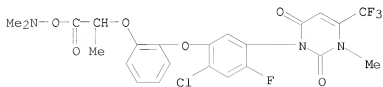
RN 477715-86-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(ethylamino)oxy]-1-methyl-2-oxoethoxy]-3-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



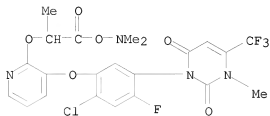
RN 477715-87-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(dimethylamino)oxy]-1-methyl-2-oxoethoxy]phenoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



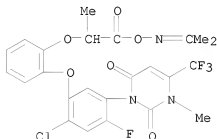
RN 477715-88-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[2-[2-[(dimethylamino)oxy]-1-methyl-2-oxoethoxy]-3-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



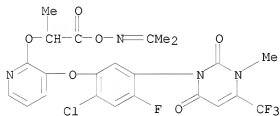
RN 477715-89-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[1-methyl-2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



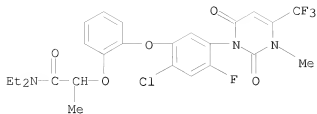
RN 477715-90-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[1-methyl-2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



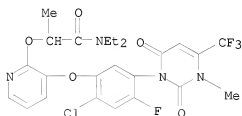
RN 477715-91-6 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N,N-diethyl- (CA INDEX NAME)



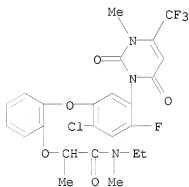
RN 477715-92-7 CAPLUS

CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N,N-diethyl- (CA INDEX NAME)



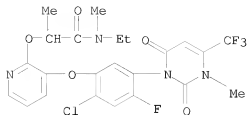
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CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-ethyl-N-methyl- (CA INDEX NAME)



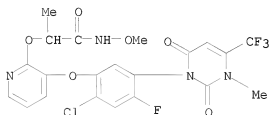
RN 477715-94-9 CAPLUS

CN Propanamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-ethyl-N-methyl- (CA INDEX NAME)



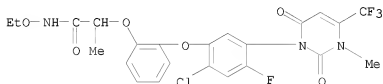
RN 477715-95-0 CAPLUS

CN Propanamide, 2-[(3-[2-chloro-5-(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



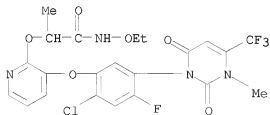
RN 477715-96-1 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-ethoxy- (CA INDEX NAME)



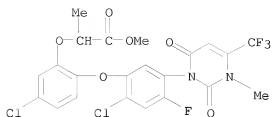
RN 477715-97-2 CAPLUS

CN Propanamide, 2-[(3-[2-chloro-5-(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)-2-pyridinyl]oxy]-N-ethoxy- (CA INDEX NAME)



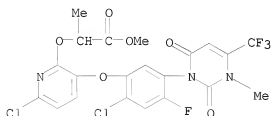
RN 477715-98-3 CAPLUS

CN Propanoic acid, 2-[5-chloro-2-[2-chloro-5-(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



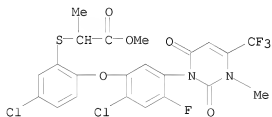
RN 477715-99-4 CAPLUS

CN Propanoic acid, 2-[[[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



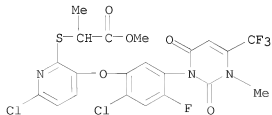
RN 477716-00-0 CAPLUS

CN Propanoic acid, 2-[[[5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, methyl ester (CA INDEX NAME)



RN 477716-01-1 CAPLUS

CN Propanoic acid, 2-[[[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (CA INDEX NAME)

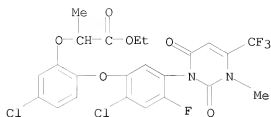


RN 477716-02-2 CAPLUS

CN Propanoic acid, 2-[[[5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)

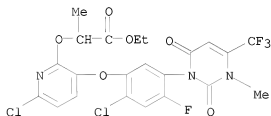


ester (CA INDEX NAME)



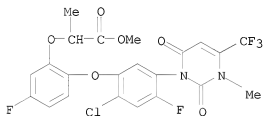
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CN Propanoic acid, 2-[[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



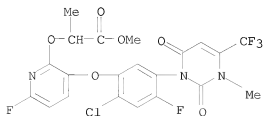
RN 477716-04-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-fluorophenoxy]-, methyl ester (CA INDEX NAME)



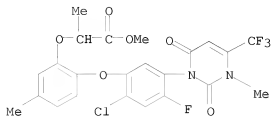
RN 477716-05-5 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



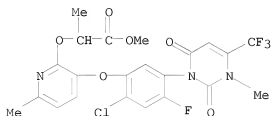
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CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methylphenoxy]-, methyl ester (CA INDEX NAME)



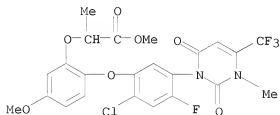
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CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methyl-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



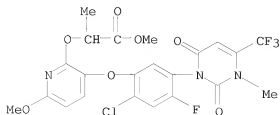
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CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methoxyphenoxy]-, methyl ester (CA INDEX NAME)



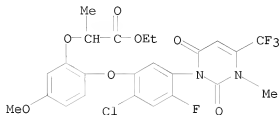
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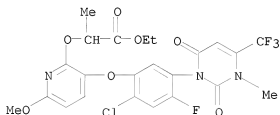
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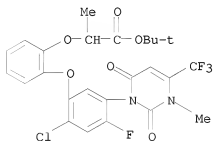
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CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyloxy]-, ethyl ester (CA INDEX NAME)



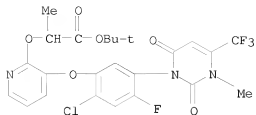
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CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)

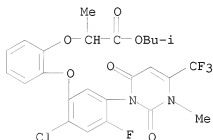


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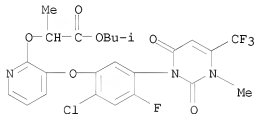
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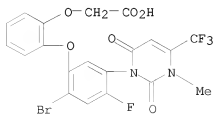
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 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (CA INDEX NAME)



RN 477716-15-7 CAPLUS  
 CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methylpropyl ester (CA INDEX NAME)

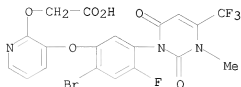


RN 477716-16-8 CAPLUS  
 CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



RN 477716-17-9 CAPLUS

CN Acetic acid, [[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-(9CI) (CA INDEX NAME)

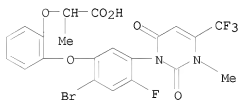


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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation as plant growth regulator for cotton)

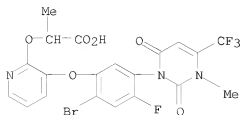
RN 477716-18-0 CAPLUS

CN Propanoic acid, 2-[[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-(CA INDEX NAME)



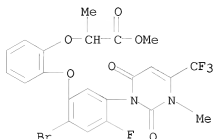
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CN Propanoic acid, 2-[[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-(CA INDEX NAME)



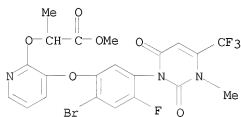
RN 477716-20-4 CAPLUS

CN Propanoic acid, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



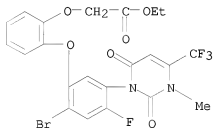
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CN Propanoic acid, 2-[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



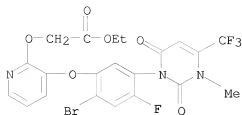
RN 477716-22-6 CAPLUS

CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



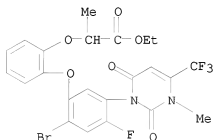
RN 477716-23-7 CAPLUS

CN Acetic acid, [[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



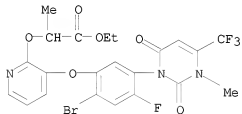
RN 477716-24-8 CAPLUS

CN Propanoic acid, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



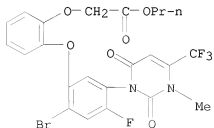
RN 477716-25-9 CAPLUS

CN Propanoic acid, 2-[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



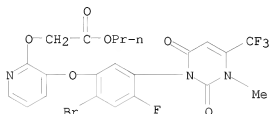
RN 477716-26-0 CAPLUS

CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, propyl ester (9CI) (CA INDEX NAME)



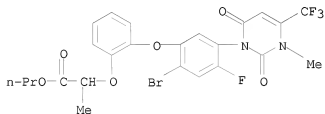
RN 477716-27-1 CAPLUS

CN Acetic acid, [[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



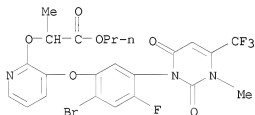
RN 477716-28-2 CAPLUS

CN Propanoic acid, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, propyl ester (CA INDEX NAME)



RN 477716-29-3 CAPLUS

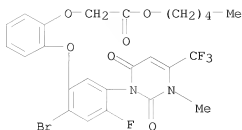
CN Propanoic acid, 2-[[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (CA INDEX NAME)



RN 477716-30-6 CAPLUS

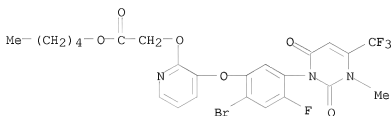
CN Acetic acid, [2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (9CI) (CA INDEX NAME)





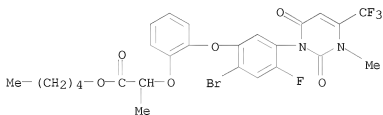
RN 477716-31-7 CAPLUS

CN Acetic acid, [[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



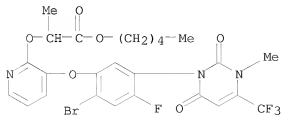
RN 477716-32-8 CAPLUS

CN Propanoic acid, 2-[[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)



RN 477716-33-9 CAPLUS

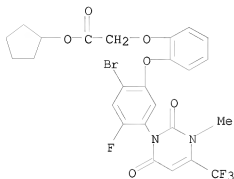
CN Propanoic acid, 2-[[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (CA INDEX NAME)



RN 477716-34-0 CAPLUS

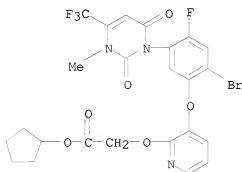
CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-,  
cyclopentyl ester (9CI) (CA INDEX NAME)



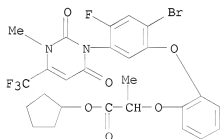
RN 477716-35-1 CAPLUS

CN Acetic acid, [[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



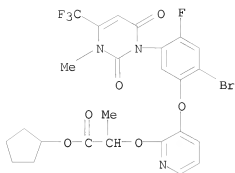
RN 477716-36-2 CAPLUS

CN Propanoic acid, 2-[[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclopentyl ester (CA INDEX NAME)



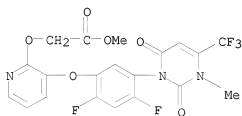
RN 477716-37-3 CAPLUS

CN Propanoic acid, 2-[[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (CA INDEX NAME)



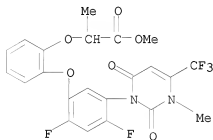
RN 477716-38-4 CAPLUS

CN Acetic acid, [[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



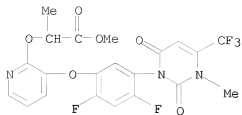
RN 477716-39-5 CAPLUS

CN Propanoic acid, 2-[2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



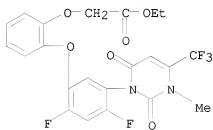
RN 477716-40-8 CAPLUS

CN Propanoic acid, 2-[[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



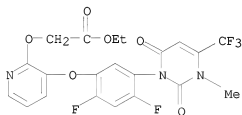
RN 477716-41-9 CAPLUS

CN Acetic acid, [2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



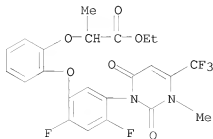
RN 477716-42-0 CAPLUS

CN Acetic acid, [[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



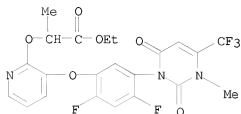
RN 477716-43-1 CAPLUS

CN Propanoic acid, 2-[2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



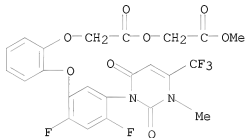
RN 477716-44-2 CAPLUS

CN Propanoic acid, 2-[[[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl]oxy]-ethyl ester (CA INDEX NAME)



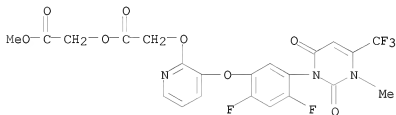
RN 477716-45-3 CAPLUS

CN Acetic acid, [2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



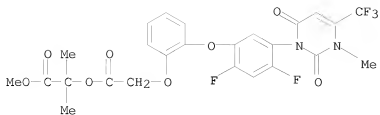
RN 477716-46-4 CAPLUS

CN Acetic acid, [[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl]oxyl]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



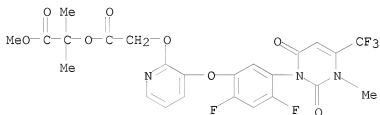
RN 477716-47-5 CAPLUS

CN Propanoic acid, 2-[[[2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]acetyl]oxyl]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



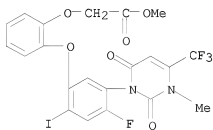
RN 477716-48-6 CAPLUS

CN Propanoic acid, 2-[[[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl]oxy]acetyl]oxy]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



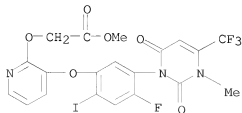
RN 477716-49-7 CAPLUS

CN Acetic acid, [2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 477716-50-0 CAPLUS

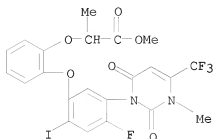
CN Acetic acid, [[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 477716-51-1 CAPLUS

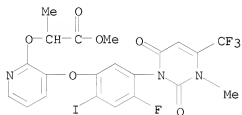
CN Propanoic acid, 2-[2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]phenoxy]-,  
methyl ester (CA INDEX NAME)



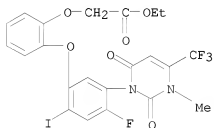
RN 477716-52-2 CAPLUS

CN Propanoic acid, 2-[[[5-[[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



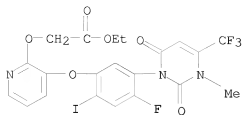
RN 477716-53-3 CAPLUS

CN Acetic acid, [2-[5-[[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



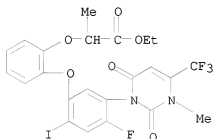
RN 477716-54-4 CAPLUS

CN Acetic acid, [[3-[5-[[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



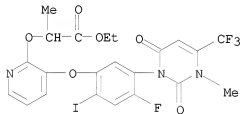
RN 477716-55-5 CAPLUS

CN Propanoic acid, 2-[2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



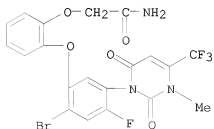
RN 477716-56-6 CAPLUS

CN Propanoic acid, 2-[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]-2-pyridinyloxy]-, ethyl ester (CA INDEX NAME)



RN 477716-57-7 CAPLUS

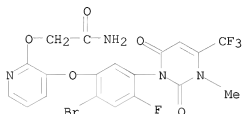
CN Acetamide, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)





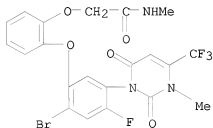
RN 477716-58-8 CAPLUS

CN Acetamide, 2-[[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-(CA INDEX NAME)



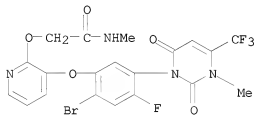
RN 477716-59-9 CAPLUS

CN Acetamide, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methyl-(CA INDEX NAME)



RN 477716-60-2 CAPLUS

CN Acetamide, 2-[[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methyl-(CA INDEX NAME)

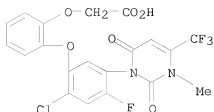


IT 344420-02-6P, [2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid 353292-39-4P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of tetrahydropyrimidine derivs. as plant growth regulators for cotton)

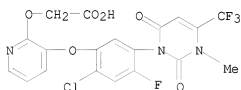
RN 344420-02-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



RN 353292-39-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]- (9CI) (CA INDEX NAME)

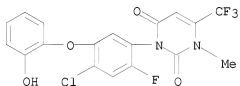


IT 344419-93-8, 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenol  
353292-72-5

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of tetrahydropyrimidine derivs. as plant growth regulators for cotton)

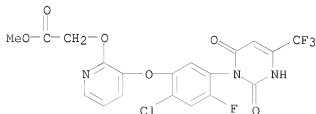
RN 344419-93-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353292-72-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



IT 344420-09-3P 344420-46-8P, [[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-

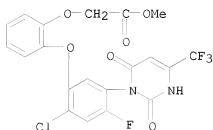
yl]phenoxy]phenoxy)methyl]benzene

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(preparation of tetrahydropyrimidine derivs. as plant growth regulators for  
cotton)

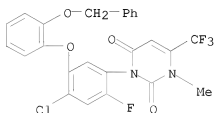
RN 344420-09-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-  
1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA  
INDEX NAME)



RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(  
phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX  
NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 27 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:44482 CAPLUS

DOCUMENT NUMBER: 137:20384

TITLE: Preparation of cyclopropyloxyphenyluracils as  
herbicides.

INVENTOR(S): Komori, Takashi; Sanemitsu, Yuzuru

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: U.S., 16 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

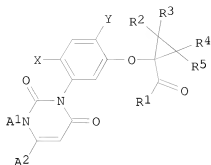
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

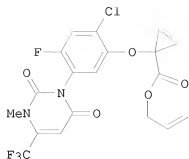
PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE      | APPLICATION NO. | DATE       |
|------------------------|--------|-----------|-----------------|------------|
| US 6403534             | B1     | 20020611  | US 2001-892475  | 20010628   |
| JP 2002193949          | A      | 20020710  | JP 2001-189203  | 20010622   |
| PRIORITY APPLN. INFO.: |        |           | JP 2000-194272  | A 20000628 |
| OTHER SOURCE(S):       | MARPAT | 137:20384 |                 |            |

GI

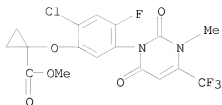


I

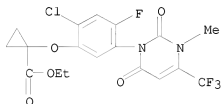


II

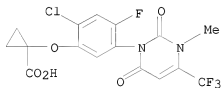
- AB Title compds. [I; A1 = amino, alkyl; A2 = haloalkyl; X = H, halo; Y = halo; R1 = OR21, ONR22R23, ONCR24R25, SR26, NR27R28, NR29OR30, NR31SO2R32, NR33NR34R35; R2-R5 H, alkyl; R21 = H, alkyl, haloalkyl, alkenyl, alkynyl, etc.; R22, R23 = H, alkyl, haloalkyl, alkenyl, (substituted) PhCH2; R24, R25 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2; R26 = H, alkyl, haloalkyl, alkenyl, alkynyl, cycloalkyl, carboxyalkyl, alkoxycarbonylalkyl, etc.; R27 = H, alkyl, haloalkyl, alkenyl, alkynyl, cycloalkyl, carboxyalkyl, etc.; R28 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2; R29, R30 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) PhCH2; R31 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2; R32 = alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2; R33-R35 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2], were prepared Thus, 2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-CF3-1,2,3,6-tetrahydropyrimidin-1-yl)phenol, Me 2,4-dibromobutanoate (preparation given), and K2CO3 were stirred 2 h in DMF to give Me 1-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]cyclopropanecarboxylate. The latter was stirred with KOCMe3 in THF at -15° to room temperature to give Me 1-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]cyclopropanecarboxylate. Title compound (II) at 8 g/ha postemergent gave complete control of ivyleaf morningglory.
- IT 434334-76-6P, Methyl 1-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]cyclopropanecarboxylate 434334-77-7P, Ethyl 1-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]cyclopropanecarboxylate 434334-78-8P, 1-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]cyclopropanecarboxylic acid 434334-79-9P 434334-80-2P
- RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
- (preparation of cyclopropyloxyphenyluracils as herbicides)
- RN 434334-76-6 CAPLUS
- CN Cyclopropanecarboxylic acid, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



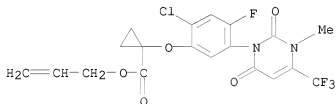
RN 434334-77-7 CAPLUS  
 CN Cyclopropanecarboxylic acid, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



RN 434334-78-8 CAPLUS  
 CN Cyclopropanecarboxylic acid, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)

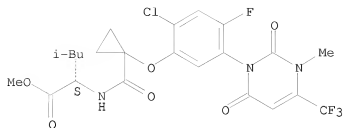


RN 434334-79-9 CAPLUS  
 CN Cyclopropanecarboxylic acid, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)

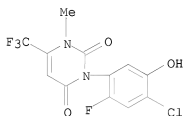


RN 434334-80-2 CAPLUS  
 CN L-Leucine, N-[[1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]cyclopropyl]carbonyl]-, methyl ester (CA INDEX NAME)

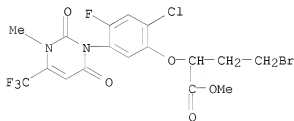
Absolute stereochemistry.



IT 114136-60-6, 2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenol  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of cyclopropyloxyphenyluracils as herbicides)  
 RN 114136-60-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 434334-81-3P, Methyl 2-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-4-bromobutanoate  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of cyclopropyloxyphenyluracils as herbicides)  
 RN 434334-81-3 CAPLUS  
 CN Butanoic acid, 4-bromo-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



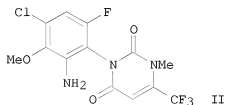
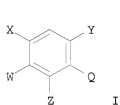
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 28 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:182202 CAPLUS  
 DOCUMENT NUMBER: 136:232317  
 TITLE: Preparation of heterocyclylbenzenes as herbicides and defoliants.  
 INVENTOR(S): Gupta, Sandeep; Wu, Shao-Yong; Tsukamoto, Masamitsu;

PATENT ASSIGNEE(S): Pulman, David A.; Ying, Bai-Ping  
 SOURCE: ISK Americas Incorporated, USA  
 U.S., 74 pp., Cont.-in-part of U.S. Ser. No. 958,313.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE     | APPLICATION NO.  | DATE        |
|------------------------|--|----------|------------------|-------------|
| US 6355799             | B1   | 20020312 | US 2000-530373   | 20000427    |
| WO 9921837             | A1   | 19990506 | WO 1998-US17197  | 19980821    |
| W:                     | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW |          |                  |             |
| RW:                    | GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |          |                  |             |
| CN 1673219             | A  | 20050928 | CN 2005-10062898 | 19980821    |
| CN 1680274             | A  | 20051012 | CN 2005-10065271 | 19980821    |
| US 39590               | E1   | 20070424 | US 2000-797936   | 20000427    |
| US 2002133007          | A1   | 20020919 | US 2001-930149   | 20010816    |
| US 6545161             | B2   | 20030408 |                  |             |
| PRIORITY APPLN. INFO.: |  |          | US 1997-958313   | A2 19971027 |
|                        |  |          | WO 1998-US17197  | W 19980821  |
|                        |  |          | CN 1998-812711   | A3 19980821 |
|                        |  |          | US 2000-530373   | E 20000427  |

OTHER SOURCE(S): MARPAT 136:232317  
 GI



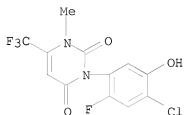
AB Title compds. [I; X = H, halo, NO<sub>2</sub>, amino, NHR, NR<sub>2</sub>, amide, thioamide, cyano, alkylcarbonyl, alkoxycarbonyl, alkylsulfonamide, (substituted) alkyl, haloalkyl, alkoxy, haloalkoxy, alkoxycarbonyloxy, PhCH<sub>2</sub>O, aryloxy, heteroaryloxy; Y = H, halo, NO<sub>2</sub>; W = H, OR, SR, NHR, NR<sub>2</sub>, CH<sub>2</sub>R, CHR<sub>2</sub>, CR<sub>3</sub>, halo, NO<sub>2</sub>, cyano; R = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, alkoxy, cycloalkoxy, aryloxy, heteroaryloxy, alkylsulfonyl, PhCH<sub>2</sub>, alkylcarbonyl, alkoxycarbonyl, etc.; Q = (substituted) heterocyclyl; Z = amino, OH, SH, CHO, CO<sub>2</sub>H, cyano, alkylcarbonyl, arylcarbonyl, N<sub>3</sub>, etc.] were prepared Thus, 3-(4-chloro-6-fluoro-3-methoxy-2-nitrophenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione (preparation given) was stirred with Fe powder in HOAc to give title compound (II). II at 7.8 g/ha post-emergent gave 100% control of *Amaranthus retroflexus* and *Abutilon theophrasti*.

IT 114136-60-6, 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- 114136-62-8, 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-

(trifluoromethyl)- 114168-84-2, 2,4(1H,3H)-Pyrimidinedione,  
 3-(4-chloro-2-fluoro-5-methoxyphenyl)-6-(trifluoromethyl)-  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of heterocyclylbenzenes as herbicides and defoliants)

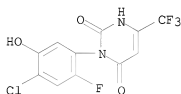
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-  
 6-(trifluoromethyl)- (CA INDEX NAME)



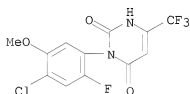
RN 114136-62-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-  
 (trifluoromethyl)- (CA INDEX NAME)



RN 114168-84-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-6-  
 (trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 29 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:23517 CAPLUS

DOCUMENT NUMBER: 136:69821

TITLE: Preparation of uracils and their use as herbicides

INVENTOR(S): Goto, Tomohiko; Sanemitsu, Minoru

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 91 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

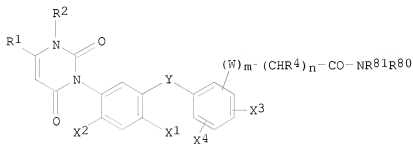
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:



| PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------|------|----------|-----------------|----------|
| JP 2002003480 | A    | 20020109 | JP 2000-192353  | 20000627 |

PRIORITY APPLN. INFO.:  
OTHER SOURCE(S): MARPAT 136:69821  
GI



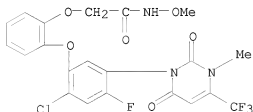
I

AB Title compds. I (W = O, S, imino, Cl-containing C3 alkylimino; Y = O, S, imino, Cl-3 alkylimino; R1 = Cl-3 alkyl, Cl-3 haloalkyl; R2 = Cl-3 alkyl; R4 = H, Cl-3 alkyl; X1 = halo, cyano, NO2; X2 = H, halo; X3, X4 = H, halo, Cl-6 alkyl, Cl-6 haloalkyl, C3-6 alkenyl, etc.; m = 0-1; n = 0-2; R81 = H, Cl-6 alkyl, Cl-6 haloalkyl, C3-6 alkenyl, C3-6 haloalkenyl, etc.; R80 = H, Cl-6 alkyl, Cl-6 haloalkyl, C3-6 alkenyl, C3-6 haloalkenyl, etc.) are prepared 2-[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid (2.0 g) was mixed with SOCl2 in THF under reflux for 2 h 10 min and reacted with MeONH2.HCl in the presence of Et3N in THF at room temperature for 2 h to give 0.33 g N-methoxy-2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid amide showing good herbicidal activity.

IT 384835-06-7P 384835-08-9P 384835-10-3P 384835-15-8P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of uracils and their use as herbicides)

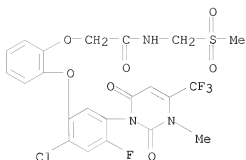
RN 384835-06-7 CAPLUS

CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methoxy- (CA INDEX NAME)

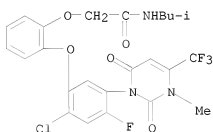


RN 384835-08-9 CAPLUS

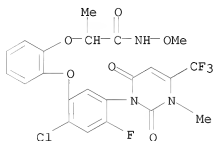
CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-[(methylsulfonyl)methyl]- (CA INDEX NAME)



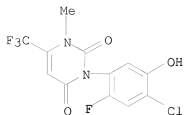
RN 384835-10-3 CAPLUS  
 CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-1-yl]-4-fluorophenoxy]phenoxy]-N-(2-methylpropyl)- (CA INDEX NAME)



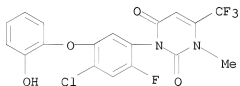
RN 384835-15-8 CAPLUS  
 CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-1-yl]-4-fluorophenoxy]phenoxy]-N-methoxy- (CA INDEX NAME)



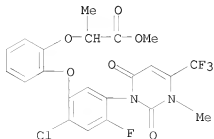
IT 114136-60-6, 2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenol  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of uracils and their use as herbicides)  
 RN 114136-60-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 344419-93-8P, 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenol  
 344419-95-0P, Methyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionate 344419-98-3P, Methyl  
 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344420-00-4P,  
 2-[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionic acid  
 344420-02-6P 344420-46-8P, [[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]methyl]benzene 380500-93-6P,  
 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]nitrobenzene 380500-94-7P,  
 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]aniline 380500-95-8P  
 380922-42-9P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of uracils and their use as herbicides)  
 RN 344419-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

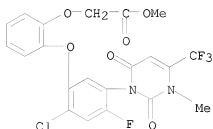


RN 344419-95-0 CAPLUS  
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



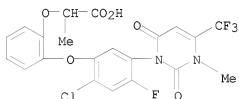
RN 344419-98-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



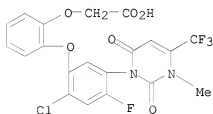
RN 344420-00-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



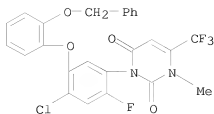
RN 344420-02-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



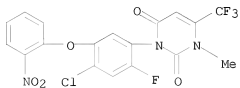
RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



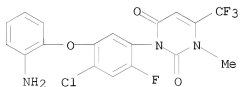
RN 380500-93-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



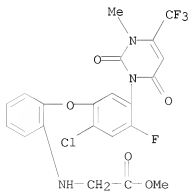
RN 380500-94-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



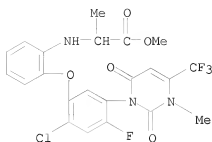
RN 380500-95-8 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



RN 380922-42-9 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



L3 ANSWER 30 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:934012 CAPLUS

DOCUMENT NUMBER: 136:53758

TITLE: Preparation of diaryl ethers as herbicides and desiccants

INVENTOR(S): Pulman, David A.; Ying, Bai-ping; Wu, Shao-yong; Gupta, Sandeep; Shimoharada, Hiroshi; Tsukamoto, Masamitsu

PATENT ASSIGNEE(S): Isk Americas Incorporated, USA

SOURCE: U.S., 47 pp., Cont.-in-part of U.S. Ser. No. 947,900, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

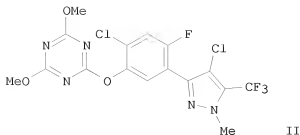
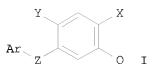
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| US 6333296  | B1   | 20011225 | US 1999-380830  | 19990910 |
| WO 9841093  | A1   | 19980924 | WO 1998-US209   | 19980114 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| ZA 9802158  | A    | 19980914 | ZA 1998-2158    | 19980313 |
| US 2002161224   | A1   | 20021031 | US 2001-779674  | 20010209 |
| US 6479435  | B2   | 20021112 |                 |          |

PRIORITY APPLN. INFO.:  
 US 1997-818061 B2 19970314  
 US 1997-917682 B2 19970826  
 US 1997-947900 B2 19971009  
 WO 1998-US209 W 19980114  
 US 1999-380830 A3 19990910

OTHER SOURCE(S): MARPAT 136:53758

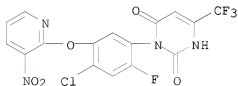
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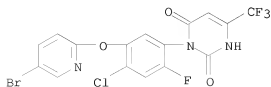
AB The diaryl ethers I [X, Y = H, halo, CN, NO<sub>2</sub>, haloalkyl; Z = O, S; Q = (un)substituted N-containing heterocyclyl; Ar = (un)substituted aryl or heteroaryl] were prepared as herbicides and desiccants. Thus, reacting 4-chloro-3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-5-trifluoromethyl-1H-pyrazole with 2-chloro-4,6-dimethoxytriazine in the presence of K<sub>2</sub>CO<sub>3</sub> in DMF afforded 82% II which showed complete damage of *Amaranthus retroflexus*, *Chenopodium album* and *Setaria viridis* at 500 g ai/ha in pre-emergence test.

IT 213676-09-6P 213676-11-0P 213676-12-1P  
 213676-13-2P 213676-14-3P 213676-16-5P  
 213676-18-7P 213676-20-1P 213676-22-3P  
 213676-23-4P 213676-24-5P 213676-25-6P  
 213676-26-7P 213676-28-9P 213676-29-0P  
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 213676-39-2P 213676-40-5P 213676-42-7P  
 213676-44-9P 213676-45-0P 213676-46-1P  
 213676-47-2P 213676-48-3P 213676-49-4P  
 213676-50-7P 213676-51-8P 213676-52-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate in preparation of diaryl ethers herbicides and desiccants)  
 RN 213676-09-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

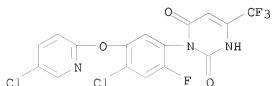


RN 213676-11-0 CAPLUS  
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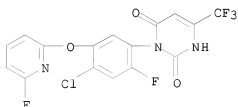


RN 213676-12-1 CAPLUS

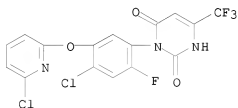
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



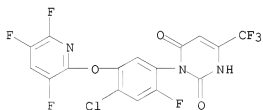
RN 213676-13-2 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(6-fluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-14-3 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(6-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

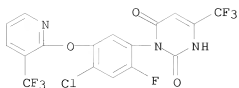


RN 213676-16-5 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3,5,6-trifluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



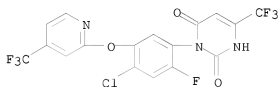
RN 213676-18-7 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[3-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)





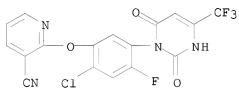
RN 213676-20-1 CAPLUS

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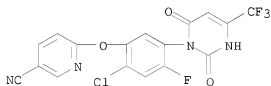
RN 213676-22-3 CAPLUS

CN 3-Pyridinecarbonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



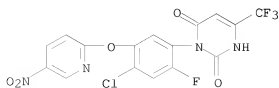
RN 213676-23-4 CAPLUS

CN 3-Pyridinecarbonitrile, 6-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



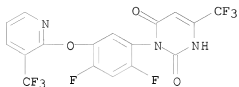
RN 213676-24-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

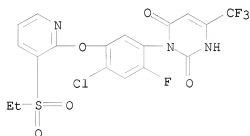


RN 213676-25-6 CAPLUS

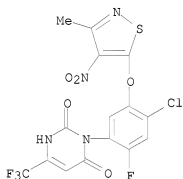
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-[[3-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



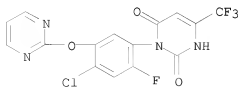
RN 213676-26-7 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[3-(ethylsulfonyl)-2-pyridinyl]oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-28-9 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[3-methyl-4-nitro-5-isothiazolyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

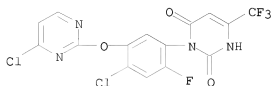


RN 213676-29-0 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-pyrimidinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

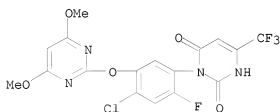


RN 213676-31-4 CAPLUS

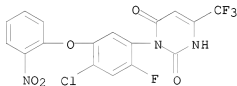
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



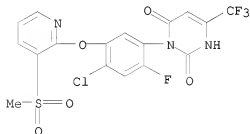
RN 213676-32-5 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



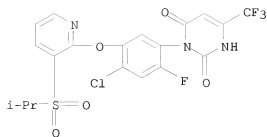
RN 213676-33-6 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-35-8 CAPLUS  
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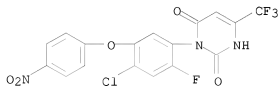


RN 213676-36-9 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[3-[(1-methylethyl)sulfonyl]-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



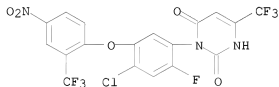
RN 213676-37-0 CAPLUS

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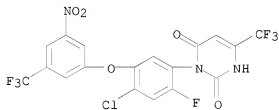
RN 213676-39-2 CAPLUS

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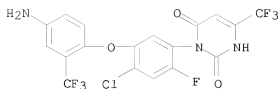
RN 213676-40-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-nitro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



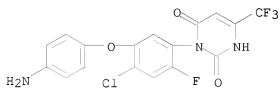
RN 213676-42-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[4-amino-2-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



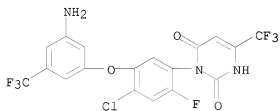
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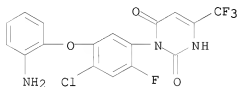
RN 213676-45-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(3-amino-5-(trifluoromethyl)phenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



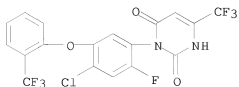
RN 213676-46-1 CAPLUS

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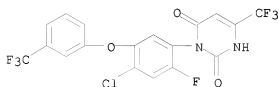


RN 213676-47-2 CAPLUS

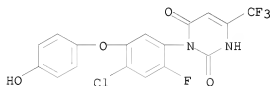
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



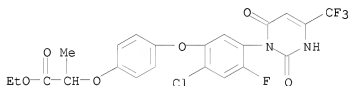
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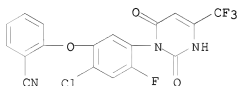
RN 213676-49-4 CAPLUS  
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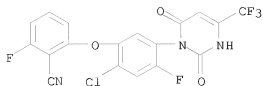
RN 213676-50-7 CAPLUS  
 CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



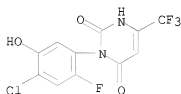
RN 213676-51-8 CAPLUS  
 CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 213676-52-9 CAPLUS  
 CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro- (CA INDEX NAME)



IT 114136-62-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reactant in preparation of diaryl ethers as herbicides and desiccants)  
 RN 114136-62-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)

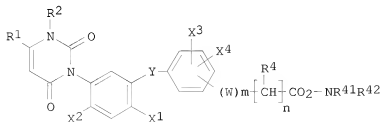


REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 31 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:932505 CAPLUS  
 DOCUMENT NUMBER: 136:53757  
 TITLE: Preparation of uracils and their use as herbicides  
 INVENTOR(S): Goto, Tomohiko; Sanemitsu, Yuzuru  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 98 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

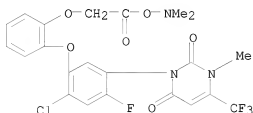
| PATENT NO.             | KIND   | DATE      | APPLICATION NO. | DATE     |
|------------------------|--------|-----------|-----------------|----------|
| JP 2001354661          | A      | 20011225  | JP 2000-181150  | 20000616 |
| PRIORITY APPLN. INFO.: |        |           | JP 2000-181150  | 20000616 |
| OTHER SOURCE(S):       | MARPAT | 136:53757 |                 |          |

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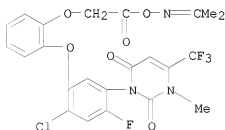


I

- AB Uracils I [W, Y = O, S, imino, C1-3 alkylimino; R1 = C1-3 (halo)alkyl; R2 = C1-3 alkyl; R4 = H, C1-3 alkyl; X1 = halo, cyano, NO<sub>2</sub>; X2 = H, halo; X3, X4 = H, halo, C1-6 (halo)alkyl, C3-6 (halo)alkenyl, C3-6 (halo)alkynyl, cyano, etc.; m = 0, 1; n = 0-2; R41, R42 = H, C1-6 (halo)alkyl, cyano-C1-6-alkyl, (un)substituted phenoxy carbonyl-C1-6 alkyl, (un)substituted benzyloxycarbonyl-C1-6 alkyl, etc.] are prepared Thus, 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid was refluxed with SOCl<sub>2</sub> for 2 h 10 min, concentrated, and reacted with N,N-dimethylhydroxylamine HCl salt at room temperature for 2 h in the presence of pyridine in THF to give the corresponding dimethylamino ester, which showed 100% herbicidal activity.
- IT 382595-63-3P 382595-64-4P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of uracils as herbicides)
- RN 382595-63-3 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(dimethylamino)oxy]-2-oxoethoxy]phenoxy]-1-methyl-6-(trifluoromethyl)- (9CI)  
 (CA INDEX NAME)]

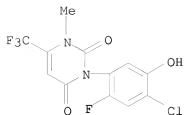


- RN 382595-64-4 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

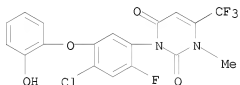


- IT 114136-60-6, 2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenol  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of uracils as herbicides)
- RN 114136-60-6 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

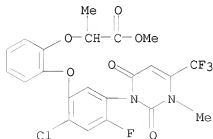




IT 344419-93-8P, 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenol  
 344419-95-0P, Methyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionate 344419-98-3P, Methyl  
 2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344420-02-6P  
 344420-46-8P, [[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]methyl]benzene 380500-93-6P,  
 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]nitrobenzene 380500-94-7P,  
 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]aniline  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of uracils as herbicides)  
 RN 344419-93-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

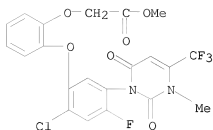


RN 344419-95-0 CAPLUS  
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



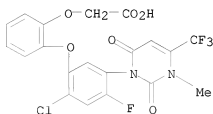
RN 344419-98-3 CAPLUS  
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)

ester (9CI) (CA INDEX NAME)



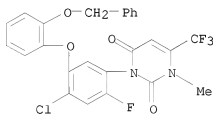
RN 344420-02-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



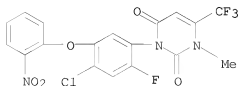
RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



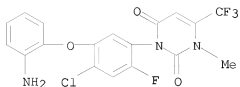
RN 380500-93-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 380500-94-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

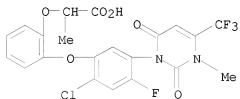


IT 344420-00-4P, 2-[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenyl]propanoic acid 380500-95-8P  
380922-42-9P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of uracils as herbicides)

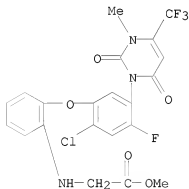
RN 344420-00-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]- (CA INDEX NAME)



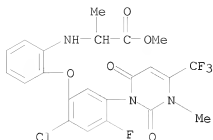
RN 380500-95-8 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)

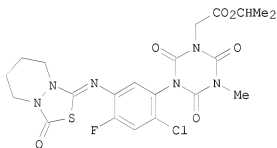


RN 380922-42-9 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)

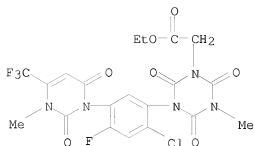


L3 ANSWER 32 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:915240 CAPLUS  
 DOCUMENT NUMBER: 136:195583  
 TITLE: 3-(Heterocyclyl)phenyl cyanurates: synthesis and herbicidal activity  
 AUTHOR(S): Karp, Gary M.; Crews, A. Don; Manfredi, Mark C.; Kleemann, Axel; Arotin, Robert L.; Crawley, Matthew L.; Dahlke, Brian; Baerg, Roger  
 CORPORATE SOURCE: BASF Agro Research, Princeton, NJ, 08543-0400, USA  
 SOURCE: ACS Symposium Series (2002), 800(Synthesis and Chemistry of Agrochemicals VI), 30-40  
 CODEN: ACSMC8; ISSN: 0097-6156  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 136:195583  
 GI

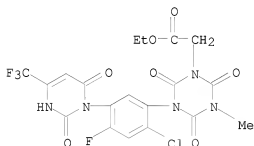


I

AB 3-(Heterocyclyl)phenyl cyanurates such as I make up a novel class of protoporphyrinogen oxidase (protox) inhibitors which were prepared and evaluated for herbicidal activity. The compds. were primarily postemergence broadleaf compds. The effect of changes in the aryl moiety, the heteroaryl moiety, and in the pendant ester of the cyanurate moiety on the herbicidal activity of the heterocyclylaryl cyanurates was studied.  
 IT 401524-46-7P  
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation and herbicidal activity of (heterocyclyl)phenyl cyanurate protoporphyrinogen oxidase inhibitors)  
 RN 401524-46-7 CAPLUS  
 CN 1,3,5-Triazine-1(2H)-acetic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]tetrahydro-5-methyl-2,4,6-trioxo-, ethyl ester (CA INDEX NAME)



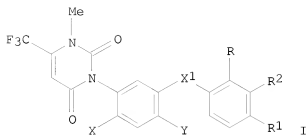
IT 401524-45-6P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and herbicidal activity of (heterocyclyl)phenyl cyanurate  
 protoporphyrinogen oxidase inhibitors)  
 RN 401524-45-6 CAPLUS  
 CN 1,3,5-Triazine-1(2H)-acetic acid, 3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]tetrahydro-5-methyl-  
 2,4,6-trioxo-, ethyl ester (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 33 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:910259 CAPLUS  
 DOCUMENT NUMBER: 136:53754  
 TITLE: Preparation and application of uracils as herbicides  
 INVENTOR(S): Goto, Tomohiko; Sanemitsu, Minoru  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 91 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND   | DATE      | APPLICATION NO. | DATE     |
|------------------------|--------|-----------|-----------------|----------|
| JP 2001348376          | A      | 20011218  | JP 2000-170234  | 20000607 |
| PRIORITY APPLN. INFO.: |        |           | JP 2000-170234  | 20000607 |
| OTHER SOURCE(S):       | MARPAT | 136:53754 |                 |          |
| GI                     |        |           |                 |          |



AB Title compds. [I; R = OCH(CH<sub>3</sub>)COOCH<sub>2</sub>COOCH<sub>3</sub>, (S)-OCH<sub>2</sub>CONHCH(CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>)CO<sub>2</sub>CH<sub>3</sub>, OCH<sub>2</sub>CONHCH<sub>2</sub>CO<sub>2</sub>CH<sub>3</sub>, OCH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>3</sub>, OCH<sub>2</sub>CO<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>:CH<sub>2</sub>, H, CF<sub>3</sub>, CH<sub>3</sub>; R<sub>1</sub> = H, OCH(CH<sub>3</sub>)CO<sub>2</sub>CH<sub>2</sub>COOH, OCH<sub>2</sub>COOCH<sub>2</sub>COOCH<sub>2</sub>CH<sub>2</sub>:CH<sub>2</sub>, H; R<sub>2</sub> = H, OCH(CH<sub>3</sub>)CO<sub>2</sub>CH<sub>2</sub>COOH, OCH<sub>2</sub>COOCH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>; X = F, H; Y = Cl, NO<sub>2</sub>; X<sub>1</sub> = O, S, NH] are prepared as herbicides. Thus, the title compound I (R = OCH<sub>2</sub>COOC(CH<sub>3</sub>)<sub>2</sub>COOCH<sub>2</sub>CH<sub>2</sub>:CH<sub>2</sub>; R<sub>1</sub> = H; R<sub>2</sub> = H; X = F; X<sub>1</sub> = O; Y = Cl) was prepared and field tested as effective herbicide in forage and soil treatment.

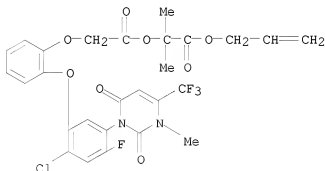
IT 380500-87-8P 380500-88-9P 380500-89-0P  
380500-90-3P 380500-96-9P 380500-97-0P  
380500-98-1P 380501-01-9P 380501-02-0P  
380501-03-1P 380501-04-2P 380501-09-7P  
380501-10-0P 380501-11-1P 380501-12-2P  
380501-17-7P 380501-18-8P 380501-21-3P  
380501-22-4P 380501-23-5P 380501-24-6P  
380501-29-1P 380501-30-4P 380501-31-5P  
380501-32-6P 380501-37-1P 380501-38-2P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation and application of uracils as herbicides)

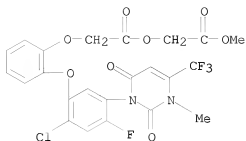
RN 380500-87-8 CAPLUS

CN Propanoic acid, 2-[[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetyl]oxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



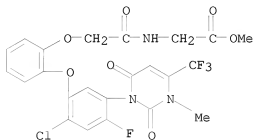
RN 380500-88-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



RN 380500-89-0 CAPLUS

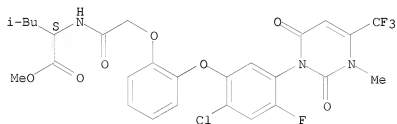
CN Glycine, N-([2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetyl)-, methyl ester (9CI) (CA INDEX NAME)



RN 380500-90-3 CAPLUS

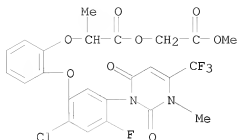
CN L-Leucine, N-([2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetyl)-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



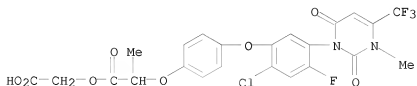
RN 380500-96-9 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methoxy-2-oxoethyl ester (CA INDEX NAME)



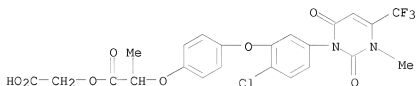
RN 380500-97-0 CAPLUS

CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



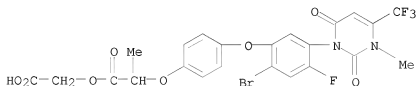
RN 380500-98-1 CAPLUS

CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



RN 380501-01-9 CAPLUS

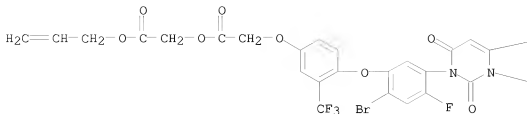
CN Propanoic acid, 2-[4-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



RN 380501-02-0 CAPLUS

CN Acetic acid, [4-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-(trifluoromethoxy)phenoxy]-, 2-oxo-2-(2-propenyloxy)ethyl ester (9CI) (CA INDEX NAME)

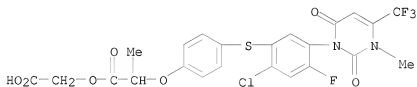




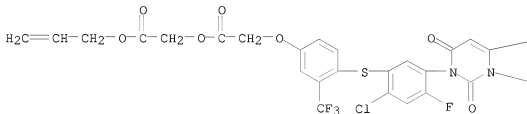
—CF<sub>3</sub>

—Me

RN 380501-03-1 CAPLUS  
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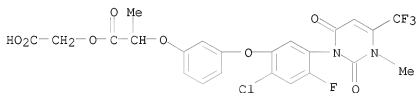
RN 380501-04-2 CAPLUS  
 CN Acetic acid, [4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-2-yl]-4-fluorophenyl]thio]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyloxy)ethyl ester (9CI) (CA INDEX NAME)



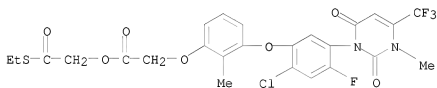
—CF<sub>3</sub>

—Me

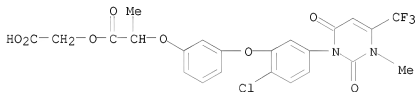
RN 380501-09-7 CAPLUS  
 CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



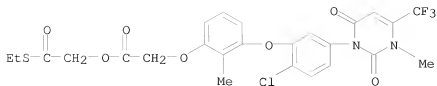
RN 380501-10-0 CAPLUS  
 CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methylphenoxy]-, 2-(ethylthio)-2-oxoethyl ester (9CI) (CA INDEX NAME)



RN 380501-11-1 CAPLUS  
 CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)

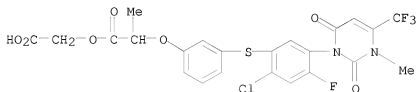


RN 380501-12-2 CAPLUS  
 CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-2-methylphenoxy]-, 2-(ethylthio)-2-oxoethyl ester (9CI) (CA INDEX NAME)



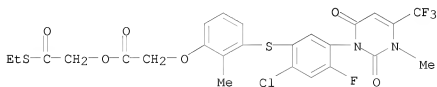
RN 380501-17-7 CAPLUS

CN Propanoic acid, 2-[3-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



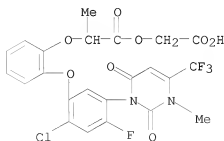
RN 380501-18-8 CAPLUS

CN Acetic acid, [3-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-2-methylphenoxy]-, 2-(ethylthio)-2-oxoethyl ester (9CI) (CA INDEX NAME)



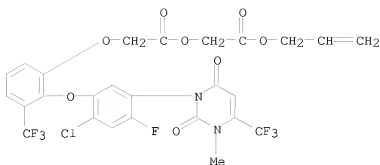
RN 380501-21-3 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



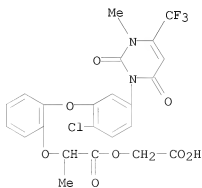
RN 380501-22-4 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyloxy)ethyl ester (9CI) (CA INDEX NAME)



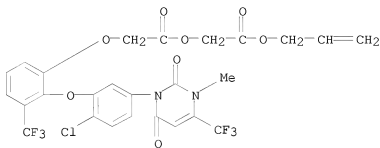
RN 380501-23-5 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



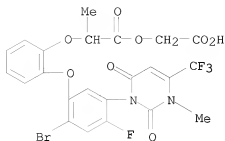
RN 380501-24-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyloxy)ethyl ester (9CI) (CA INDEX NAME)



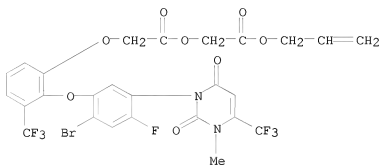
RN 380501-29-1 CAPLUS

CN Propanoic acid, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



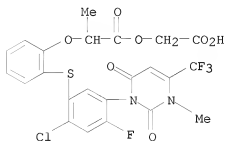
RN 380501-30-4 CAPLUS

CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyloxy)ethyl ester (9CI) (CA INDEX NAME)



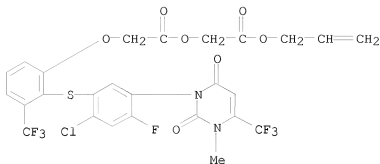
RN 380501-31-5 CAPLUS

CN Propanoic acid, 2-[2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



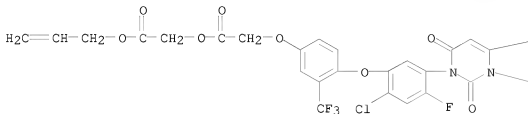
RN 380501-32-6 CAPLUS

CN Acetic acid, [2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyloxy)ethyl ester (9CI) (CA INDEX NAME)



RN 380501-37-1 CAPLUS  
 CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyloxy)ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



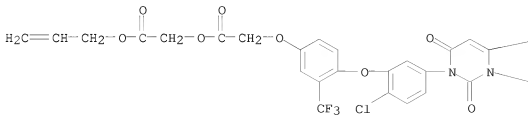
PAGE 1-B

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Me

RN 380501-38-2 CAPLUS  
 CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyloxy)ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



—CF<sub>3</sub>

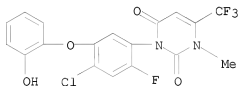
—Me

IT 344419-93-8P 344419-95-0P 344419-98-3P  
 344420-00-4P 344420-02-6P 344420-46-8P  
 380500-93-6P 380500-94-7P 380500-95-8P  
 380922-42-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and application of uracils as herbicides)

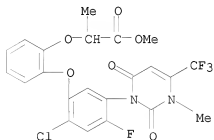
RN 344419-93-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-  
 hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



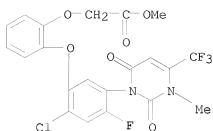
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl  
 ester (CA INDEX NAME)

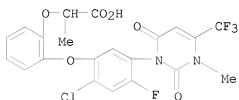


RN 344419-98-3 CAPLUS

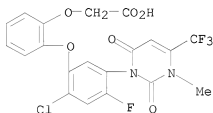
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl  
 ester (9CI) (CA INDEX NAME)



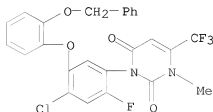
RN 344420-00-4 CAPLUS  
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



RN 344420-02-6 CAPLUS  
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)

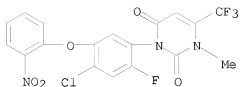


RN 344420-46-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



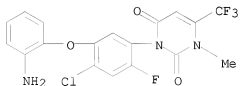
RN 380500-93-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)





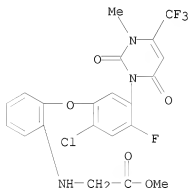
RN 380500-94-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



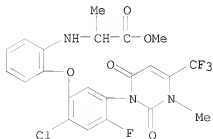
RN 380500-95-8 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



RN 380922-42-9 CAPLUS

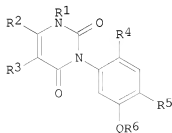
CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



L3 ANSWER 34 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:762975 CAPLUS  
 DOCUMENT NUMBER: 135:303905  
 TITLE: Preparation of (heterocyclyloxyphenyl)uracils as herbicides  
 INVENTOR(S): Andree, Roland; Schwarz, Hans-Georg; Linker, Karl-Heinz; Drewes, Mark Wilhelm; Dahmen, Peter; Feucht, Dieter; Pontzen, Rolf  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 81 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE        |
|---|------|----------|------------------|-------------|
| WO 2001077084   | A1   | 20011018 | WO 2001-EP3332   | 20010323    |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW |      |          |                  |             |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                  |             |
| DE 10016893   | A1   | 20011018 | DE 2000-10016893 | 20000405    |
| AU 200154731  | A    | 20011023 | AU 2001-54731    | 20010323    |
| CA 2404759  | A1   | 20021002 | CA 2001-2404759  | 20010323    |
| EP 1272478  | A1   | 20030108 | EP 2001-927790   | 20010323    |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |      |          |                  |             |
| BR 2001009784   | A    | 20030121 | BR 2001-9784     | 20010323    |
| JP 2003530386   | T    | 20031014 | JP 2001-575559   | 20010323    |
| IN 2001MU00274  | A    | 20050304 | IN 2001-MU274    | 20010323    |
| US 2002173425   | A1   | 20021121 | US 2002-19842    | 20020220    |
| US 6649760  | B2   | 20031118 |                  |             |
| MX 2002PA09835  | A    | 20030527 | MX 2002-PA9835   | 20021004    |
| US 2004023805   | A1   | 20040205 | US 2003-629450   | 20030729    |
| PRIORITY APPLN. INFO.:  |      |          | DE 2000-10016893 | A 20000405  |
|   |      |          | WO 2001-EP3332   | W 20010323  |
|   |      |          | US 2002-19842    | A3 20020220 |

OTHER SOURCE(S): MARPAT 135:303905  
 GI



I

AB Title compds. [I; Q = O, S, SO, SO2; R1 = H, amino, (substituted) alkyl,

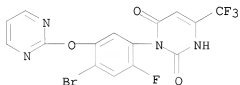
alkenyl, alkynyl; R2 = cyano, CO2H, carbamoyl, thiocarbamoyl, (substituted) alkyl, alkoxycarbonyl; R3 = H, halo, (halo)alkyl; R4 = H, NO2, cyano, halo; R5 = cyano, thiocarbamoyl, Br, (substituted) alkyl, alkoxy; R6 = (substituted) pyrrolyl, pyrazolyl, imidazolyl, triazolyl, pyridinyl, pyrazinyl, etc.], were prepared. Thus, Me 3-amino-4,4,4-trifluorocrotonate was added to a cooled mixture of NaH and DMF followed by warming to room temperature and addition of 4-bromo-2-fluoro-5-(pyrimidin-2-yloxy)phenylcarbamic acid Et ester (preparation given) in DMF to give after 6 h at 150° 64% I (Q = O; R1, R3 = H; R2 = CF3; R4 = F; R5 = Br; R6 = pyrimidin-2-yl). I at 1000 ppm were said to show very strong pre- and postemergent herbicidal activity.

IT 367252-90-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of heterocyclyloxyphenyluracils as herbicides)

RN 367252-90-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-pyrimidinylloxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



IT 367252-92-4P 367253-12-1P 367253-13-2P

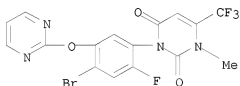
367253-14-3P 367253-15-4P 367253-22-3P

367253-23-4P 367253-26-7P 367253-27-8P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of heterocyclyloxyphenyluracils as herbicides)

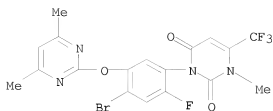
RN 367252-92-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-pyrimidinylloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



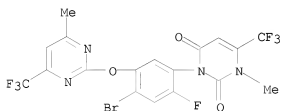
RN 367253-12-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(4,6-dimethyl-2-pyrimidinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



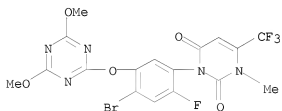
RN 367253-13-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[[4-methyl-6-(trifluoromethyl)-2-pyrimidinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



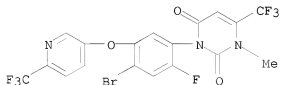
RN 367253-14-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(4,6-dimethoxy-1,3,5-triazin-2-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



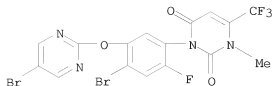
RN 367253-15-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[[6-(trifluoromethyl)-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



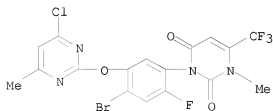
RN 367253-22-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(5-bromo-2-pyrimidinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



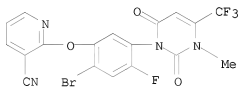
RN 367253-23-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(4-chloro-6-methyl-2-pyrimidinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



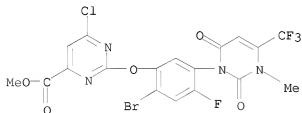
RN 367253-26-7 CAPLUS

CN 3-Pyridinecarbonitrile, 2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 367253-27-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-chloro-, methyl ester (CA INDEX NAME)



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 35 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:581490 CAPLUS

DOCUMENT NUMBER: 135:152820

TITLE: Synthesis of uracil derivatives (e.g. pyrimidinyl-aryl-pyrimidinyl-oxy-acetates) as

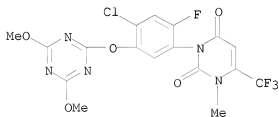


AB Title compds. I [Q-R3 = an R3 substituted 5 - 6 membered heterocycle having 1 or 2 N atoms selected from pyridinyl, pyrazolyl, pyrimidinyl, etc.; Y = O, S, (alkyl)imino; R1 = (halo)alkyl; R2 = alkyl; R3 = carboxyalkyl, (halo)alkoxycarbonylalkyl, etc.; X1 = halo, CN, thiocarbamoyl, NO2; X2 = H, halo] were prepared Examples include over 30 synthetic preps., 5 formulations and 8 tests of herbicidal efficacy. For instance, 2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]aniline was reacted with 6-methoxy-4-((methoxycarbonyl)methoxy)-2-methylsulfonylpyrimidine (preparation given) and K2CO3 in DMF at 80°C to give II. II @ 32 g/ha (formulation given) when applied to foliage barnyard grass, large crabgrass, giant foxtail and wild oat resulted in at least 80% growth inhibited compared to a prior art analog. I were said to exhibit selectivity between weeds and crops (no data).

IT 114169-64-1D, analog for herbicidal comparison  
353293-67-1D, analog for comparison  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyloxy-acetates) as herbicides)

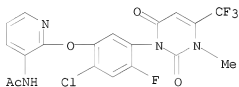
RN 114169-64-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-1,3,5-triazin-2-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353293-67-1 CAPLUS

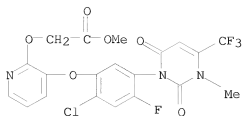
CN Acetamide, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-pyridinyl]- (CA INDEX NAME)



IT 353292-14-5P 353292-34-9P 353292-38-3P  
353292-39-4P 353292-43-0P 353292-72-5P  
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyloxy-acetates) as herbicides)

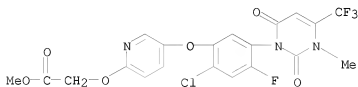
RN 353292-14-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



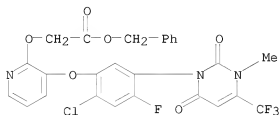
RN 353292-34-9 CAPLUS

CN Acetic acid, [[5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



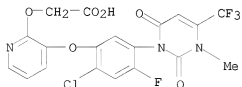
RN 353292-38-3 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 353292-39-4 CAPLUS

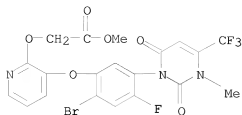
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-(9CI) (CA INDEX NAME)



RN 353292-43-0 CAPLUS

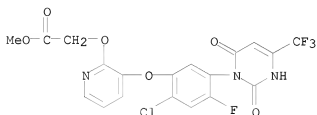
CN Acetic acid, [[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)





RN 353292-72-5 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI)  
(CA INDEX NAME)

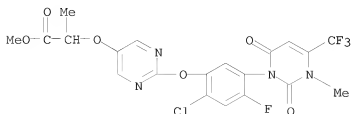


IT 353292-10-1P 353292-11-2P 353292-12-3P  
353292-13-4P 353292-15-6P 353292-17-8P  
353292-18-9P 353292-19-0P 353292-20-3P  
353292-21-4P 353292-22-5P 353292-23-6P  
353292-24-7P 353292-25-8P 353292-26-9P  
353292-27-0P 353292-28-1P 353292-29-2P  
353292-30-5P 353292-31-6P 353292-32-7P  
353292-33-8P 353292-35-0P 353292-36-1P  
353292-37-2P 353292-40-7P 353292-41-8P  
353292-42-9P 353292-45-2P 353292-47-4P  
353292-48-5P 353292-49-6P 353292-50-9P  
353292-51-0P 353292-52-1P 353292-69-0P  
353292-70-3P 353292-71-4P 353292-73-6P  
353292-74-7P 353292-75-8P 353292-76-9P  
353292-77-0P 353292-78-1P 353292-79-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyl-oxoacetates) as herbicides)

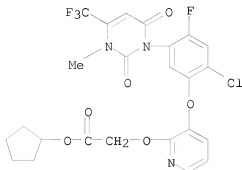
RN 353292-10-1 CAPLUS

CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



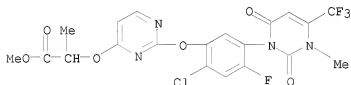
RN 353292-11-2 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



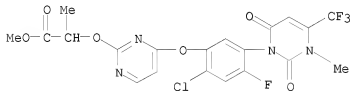
RN 353292-12-3 CAPLUS

CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



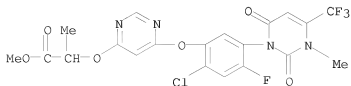
RN 353292-13-4 CAPLUS

CN Propanoic acid, 2-[[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



RN 353292-15-6 CAPLUS

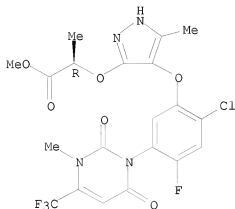
CN Propanoic acid, 2-[[6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



RN 353292-17-8 CAPLUS

CN Propanoic acid, 2-[[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methyl-1H-pyrazol-3-yl]oxy]-, methyl ester, (2R)- (CA INDEX NAME)

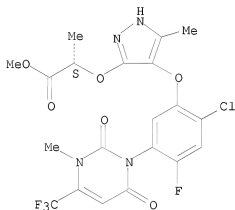
Absolute stereochemistry. Rotation (+).



RN 353292-18-9 CAPLUS

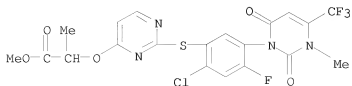
CN Propanoic acid, 2-[[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methyl-1H-pyrazol-3-yl]oxy]-, methyl ester, (2S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



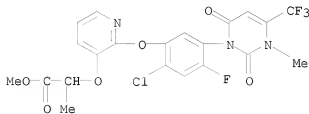
RN 353292-19-0 CAPLUS

CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



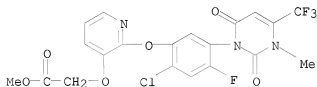
RN 353292-20-3 CAPLUS

CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



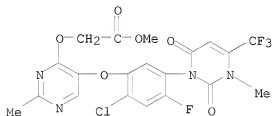
RN 353292-21-4 CAPLUS

CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



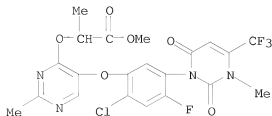
RN 353292-22-5 CAPLUS

CN Acetic acid, [[5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-4-pyrimidinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



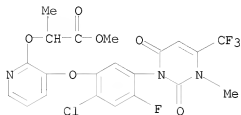
RN 353292-23-6 CAPLUS

CN Propanoic acid, 2-[[5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



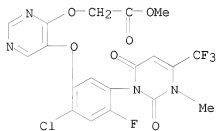
RN 353292-24-7 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



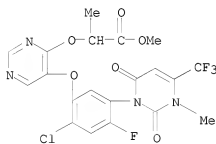
RN 353292-25-8 CAPLUS

CN Acetic acid, [[5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



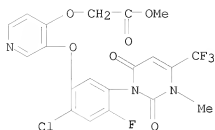
RN 353292-26-9 CAPLUS

CN Propanoic acid, 2-[[5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



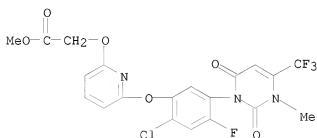
RN 353292-27-0 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



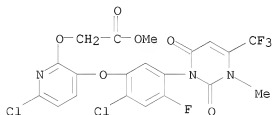
RN 353292-28-1 CAPLUS

CN Acetic acid, [[6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



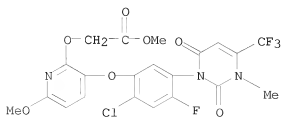
RN 353292-29-2 CAPLUS

CN Acetic acid, [[6-[2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

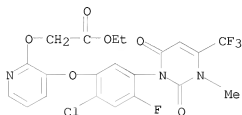


RN 353292-30-5 CAPLUS

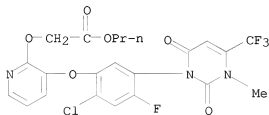
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



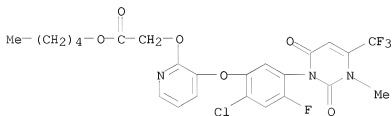
RN 353292-31-6 CAPLUS  
 CN Acetic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



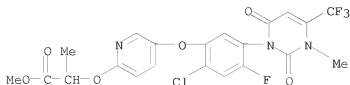
RN 353292-32-7 CAPLUS  
 CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



RN 353292-33-8 CAPLUS  
 CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)

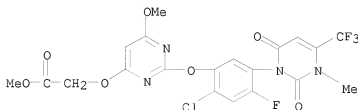


RN 353292-35-0 CAPLUS  
 CN Propanoic acid, 2-[[5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



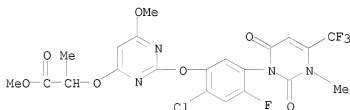
RN 353292-36-1 CAPLUS

CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-4-pyrimidinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



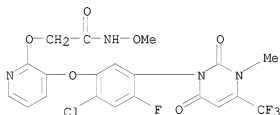
RN 353292-37-2 CAPLUS

CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



RN 353292-40-7 CAPLUS

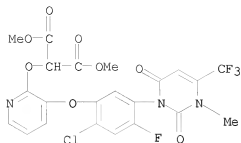
CN Acetamide, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



RN 353292-41-8 CAPLUS

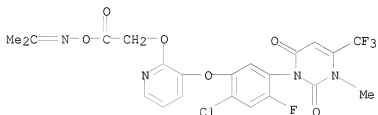
CN Propanedioic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, dimethyl ester (9CI) (CA INDEX NAME)





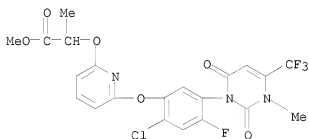
RN 353292-42-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



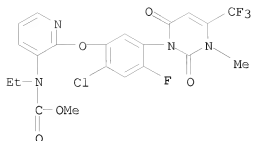
RN 353292-45-2 CAPLUS

CN Propanoic acid, 2-[[[6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



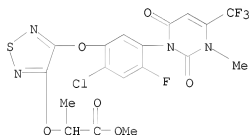
RN 353292-47-4 CAPLUS

CN Carbamic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-pyridinyl]ethyl-, methyl ester (9CI) (CA INDEX NAME)



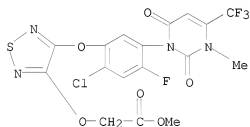
RN 353292-48-5 CAPLUS

CN Propanoic acid, 2-[[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1,2,5-thiadiazol-3-yl]oxy]-, methyl ester (CA INDEX NAME)



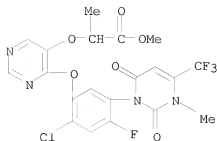
RN 353292-49-6 CAPLUS

CN Acetic acid, [[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1,2,5-thiadiazol-3-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



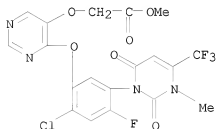
RN 353292-50-9 CAPLUS

CN Propanoic acid, 2-[[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



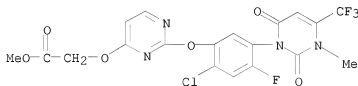
RN 353292-51-0 CAPLUS

CN Acetic acid, [[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-pyrimidinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



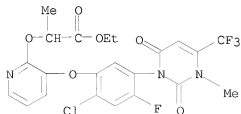
RN 353292-52-1 CAPLUS

CN Acetic acid, 2-[[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 353292-69-0 CAPLUS

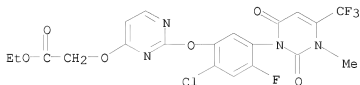
CN Propanoic acid, 2-[[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



RN 353292-70-3 CAPLUS

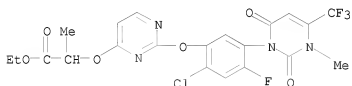
CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



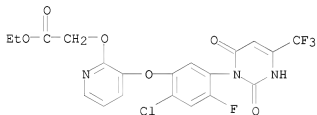
RN 353292-71-4 CAPLUS

CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, ethyl ester (CA INDEX NAME)



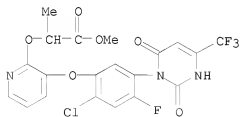
RN 353292-73-6 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



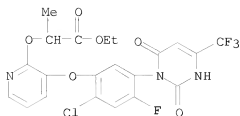
RN 353292-74-7 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)

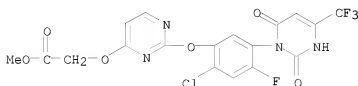


RN 353292-75-8 CAPLUS

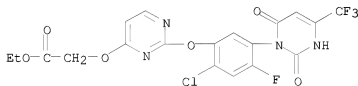
CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



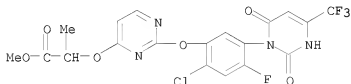
RN 353292-76-9 CAPLUS  
 CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



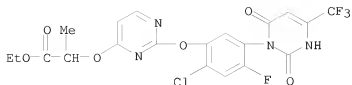
RN 353292-77-0 CAPLUS  
 CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 353292-78-1 CAPLUS  
 CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



RN 353292-79-2 CAPLUS  
 CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, ethyl ester (CA INDEX NAME)

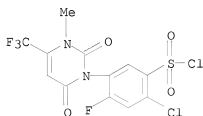


IT 146423-50-9

RL: RCT (Reactant); RACT (Reactant or reagent)  
(synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyloxy-  
acetates) as herbicides)

RN 146423-50-9 CAPLUS

CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



IT 114136-60-6P 114169-66-3P 353292-90-7P

353292-91-8P 353292-92-9P 353292-93-0P

353292-94-1P 353292-95-2P 353293-26-2P

353293-27-3P 353293-28-4P 353293-29-5P

353293-45-5P 353293-51-3P 353293-52-4P

353293-53-5P 353293-54-6P 353293-58-0P

353293-59-1P 353293-60-4P 353293-61-5P

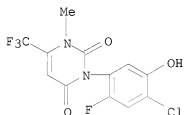
353293-62-6P 353293-63-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyloxy-  
acetates) as herbicides)

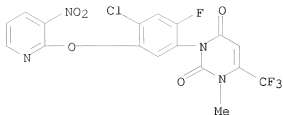
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



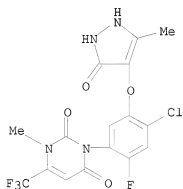
RN 114169-66-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



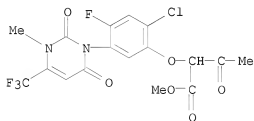
RN 353292-90-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,3-dihydro-5-methyl-3-oxo-1H-pyrazol-4-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



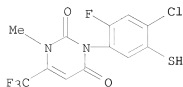
RN 353292-91-8 CAPLUS

CN Butanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-oxo-, methyl ester (CA INDEX NAME)



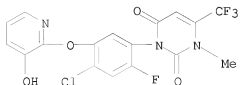
RN 353292-92-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-mercaptophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

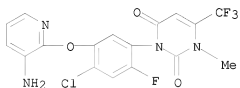


RN 353292-93-0 CAPLUS

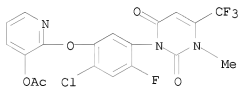
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-hydroxy-2-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



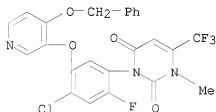
RN 353292-94-1 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[(3-amino-2-pyridinyl)oxy]-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353292-95-2 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[[3-(acetyloxy)-2-pyridinyl]oxy]-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

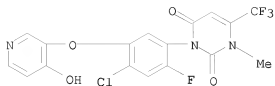


RN 353293-26-2 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[4-(phenylmethoxy)-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



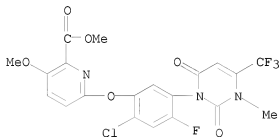
RN 353293-27-3 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-hydroxy-3-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)





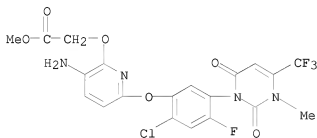
RN 353293-28-4 CAPLUS

CN 2-Pyridinecarboxylic acid, 6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester (CA INDEX NAME)



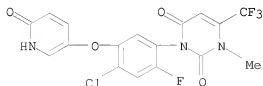
RN 353293-29-5 CAPLUS

CN Acetic acid, [[3-amino-6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 353293-45-5 CAPLUS

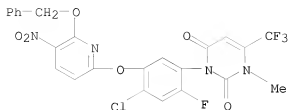
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[1,6-dihydro-6-oxo-3-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353293-51-3 CAPLUS

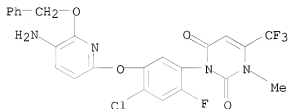
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[5-nitro-6-(phenylmethoxy)-2-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

INDEX NAME)



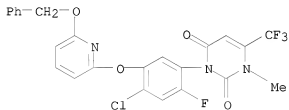
RN 353293-52-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[[5-amino-6-(phenylmethoxy)-2-pyridinyl]oxy]-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



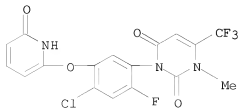
RN 353293-53-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[6-(phenylmethoxy)-2-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353293-54-6 CAPLUS

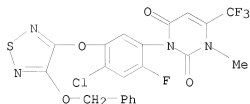
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[1,6-dihydro-6-oxo-2-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



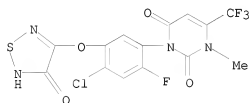
RN 353293-58-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[4-(phenylmethoxy)-2-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

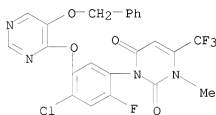
1,2,5-thiadiazol-3-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



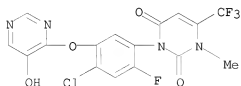
RN 353293-59-1 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,5-dihydro-4-oxo-1,2,5-thiadiazol-3-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



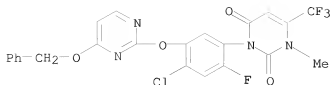
RN 353293-60-4 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[5-(phenylmethoxy)-4-pyrimidinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



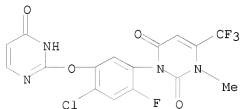
RN 353293-61-5 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-hydroxy-4-pyrimidinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353293-62-6 CAPLUS  
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[4-(phenylmethoxy)-2-pyrimidinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353293-63-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,4-dihydro-4-oxo-2-pyrimidinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

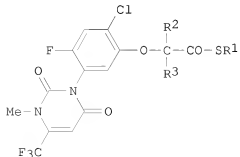


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 36 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:481840 CAPLUS  
 DOCUMENT NUMBER: 135:72718  
 TITLE: Phenyluracil thioester derivatives and herbicides containing them  
 INVENTOR(S): Komori, Takashi; Sanemitsu, Yuzuru  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE             | APPLICATION NO. | DATE       |
|------------------------|------|------------------|-----------------|------------|
| JP 2001181262          | A    | 20010703         | JP 2000-170230  | 20000607   |
| PRIORITY APPLN. INFO.: |      |                  | JP 1999-292232  | A 19991014 |
| OTHER SOURCE(S):       |      | MARPAT 135:72718 |                 |            |

GI



AB The title derivs. I [R1 = C1-8 (halo)alkyl, C3-8 (halo)alkenyl, C3-8 (halo)alkynyl, C3-8 cycloalkyl, (un)substituted Ph, (un)substituted benzyl; R2 = H, C1-4 alkyl, Ph; R3 = H, C1-4 alkyl] are prepared Herbicides containing I are also claimed. An emulsion containing Me

2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propanethioate (preparation given) completely inhibited growth of Echinochloa crus-galli, Ipomoea hederacea, and Abutilon avicennae.

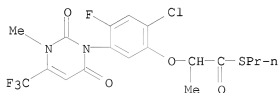
IT 347371-31-7 347371-33-9 347371-34-0  
347371-35-1 347371-37-3 347371-39-5  
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347371-45-3 347371-46-4 347371-47-5  
347371-48-6 347371-49-7 347371-50-0  
347371-51-1 347371-52-2 347371-53-3

347371-54-4  
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(preparation of phenyluracil thioester derivs. as herbicides)

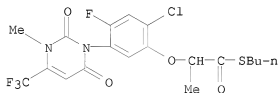
RN 347371-31-7 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-propyl ester (CA INDEX NAME)



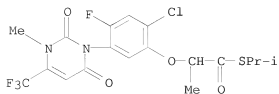
RN 347371-33-9 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-butyl ester (CA INDEX NAME)



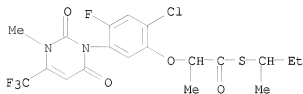
RN 347371-34-0 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methylethyl) ester (CA INDEX NAME)



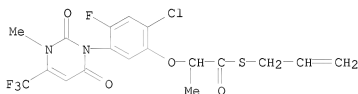
RN 347371-35-1 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methylpropyl) ester (CA INDEX NAME)



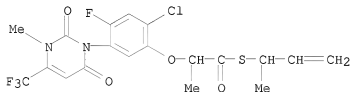
RN 347371-37-3 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propenyl ester (9CI) (CA INDEX NAME)



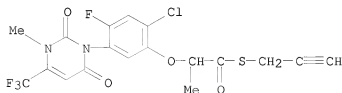
RN 347371-39-5 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methyl-2-propenyl) ester (9CI) (CA INDEX NAME)



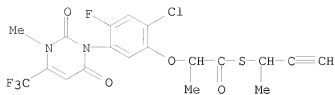
RN 347371-41-9 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propynyl ester (9CI) (CA INDEX NAME)



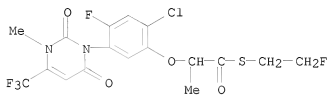
RN 347371-43-1 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methyl-2-propynyl) ester (9CI) (CA INDEX NAME)



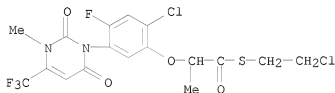
RN 347371-44-2 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(2-fluoroethyl) ester (CA INDEX NAME)



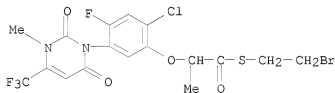
RN 347371-45-3 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(2-chloroethyl) ester (CA INDEX NAME)



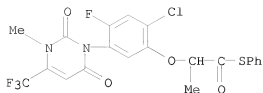
RN 347371-46-4 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(2-bromoethyl) ester (CA INDEX NAME)



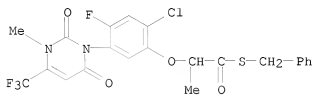
RN 347371-47-5 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-phenyl ester (CA INDEX NAME)



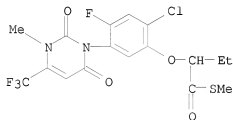
RN 347371-48-6 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(phenylmethyl) ester (CA INDEX NAME)



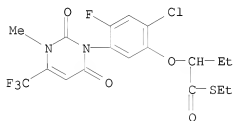
RN 347371-49-7 CAPLUS

CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-methyl ester (CA INDEX NAME)



RN 347371-50-0 CAPLUS

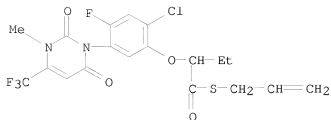
CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-ethyl ester (CA INDEX NAME)



RN 347371-51-1 CAPLUS

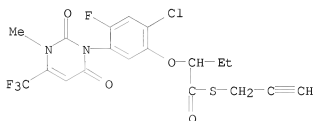
CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propenyl ester (9CI) (CA INDEX NAME)





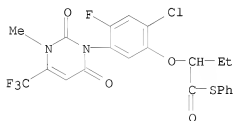
RN 347371-52-2 CAPLUS

CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propynyl ester (9CI) (CA INDEX NAME)



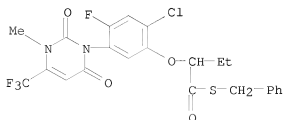
RN 347371-53-3 CAPLUS

CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-phenyl ester (CA INDEX NAME)



RN 347371-54-4 CAPLUS

CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(phenylmethyl) ester (CA INDEX NAME)



IT 347371-24-8P 347371-25-9P 347371-26-0P

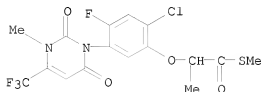
347371-27-1P 347371-29-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except

adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of phenyluracil thioester derivs. as herbicides)

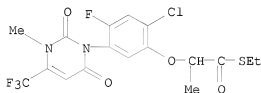
RN 347371-24-8 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-methyl ester  
(CA INDEX NAME)



RN 347371-25-9 CAPLUS

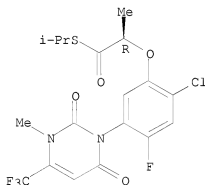
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-ethyl ester (CA INDEX NAME)



RN 347371-26-0 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methylethyl) ester, (2R)- (CA INDEX NAME)

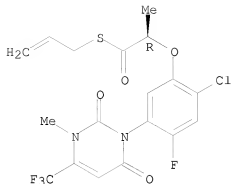
Absolute stereochemistry.



RN 347371-27-1 CAPLUS

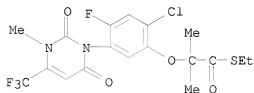
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propenyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 347371-29-3 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-, S-ethyl ester (CA INDEX NAME)



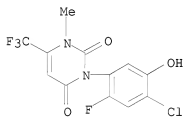
IT 114136-60-6 114169-04-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of phenyluracil thioester derivs. as herbicides)

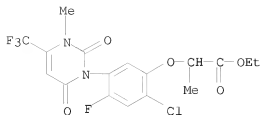
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-04-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



IT 280762-82-5P 280762-88-1P 303030-46-8P

326851-98-3P 345913-80-6P

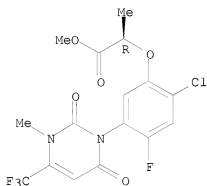
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of phenyluracil thioester derivs. as herbicides)

RN 280762-82-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, (2R)- (CA INDEX NAME)

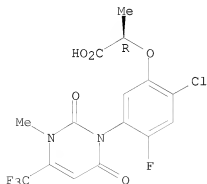
Absolute stereochemistry. Rotation (+).



RN 280762-88-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

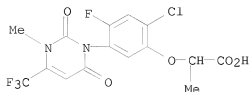
Absolute stereochemistry.



RN 303030-46-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

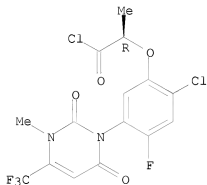
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 326851-98-3 CAPLUS

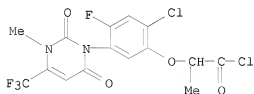
CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 345913-80-6 CAPLUS

CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



L3 ANSWER 37 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:463172 CAPLUS

DOCUMENT NUMBER: 135:57345

TITLE: Synergistic herbicidal compositions containing phenoxypyronates and components such as sulcotrione

INVENTOR(S): Mito, Nobuaki

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

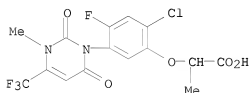
PATENT NO.

KIND DATE

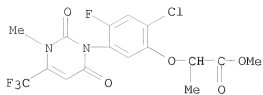
APPLICATION NO.

DATE

|                        |  |       |          |                |
|------------------------|--|-------|----------|----------------|
|                        | -----  | ----- | -----    | -----          |
|                        | JP 2001172109  | A     | 20010626 | JP 1999-362405 |
| PRIORITY APPLN. INFO.: |  |       |          | JP 1999-362405 |
|                        |  |       |          | 19991221       |
| AB                     | Superior herbicidal compns. contain 2-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]propionic acid (I) esters and sulcotrione, mesotrione, isoxaflutole, or isoxachlortole as the active components. The compns. are especially useful for controlling weeds in corn fields. Thus, I Me ester + isoxachlortole at 120 + 100 g/ha controlled Cyperus esculentus more effectively than did either of the components applied sep. at the same rate, with no damage to corn. |       |          |                |
| IT                     | 303030-46-8D, esters, mixts. with sulcotrione, mesotrione, isoxaflutole, and isoxachlortole 345667-05-2 345667-06-3  |       |          |                |
|                        | 345667-07-4 345667-08-5 345667-09-6  |       |          |                |
|                        | 345667-10-9 345667-11-0 345667-12-1  |       |          |                |
|                        | 345667-13-2 345667-14-3 345667-15-4  |       |          |                |
|                        | 345667-16-5 345667-17-6 345667-18-7  |       |          |                |
|                        | 345667-19-8 345667-20-1 345667-21-2  |       |          |                |
|                        | 345667-22-3 345667-23-4 345667-24-5  |       |          |                |
|                        | 345667-25-6 345667-26-7 345667-27-8  |       |          |                |
|                        | 345667-28-9 345667-29-0 345667-30-3  |       |          |                |
|                        | 345667-31-4 345667-32-5 345667-33-6  |       |          |                |
|                        | 345667-34-7 345667-35-8 345667-36-9  |       |          |                |
|                        | 345667-37-0 345667-38-1 345667-39-2  |       |          |                |
|                        | 345667-40-5 345667-41-6 345667-42-7  |       |          |                |
|                        | 345667-43-8 345667-44-9 345667-45-0  |       |          |                |
|                        | 345667-46-1 345667-47-2 345667-48-3  |       |          |                |
|                        | 345667-49-4 345667-50-7 345667-51-8  |       |          |                |
|                        | 345667-52-9 345667-53-0 345667-54-1  |       |          |                |
|                        | 345667-55-2 345667-56-3  |       |          |                |
|                        | RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  |       |          |                |
|                        | (synergistic herbicides)   |       |          |                |
| RN                     | 303030-46-8 CAPLUS   |       |          |                |
| CN                     | Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)   |       |          |                |



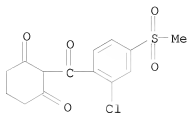
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| RN  | 345667-05-2  | CAPLUS |
| CN  | Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME) |        |
| CM  | 1  |        |
| CRN | 311810-43-2  |        |
| CMF | C16 H13 Cl F4 N2 O5  |        |



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S



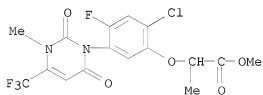
RN 345667-06-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-43-2

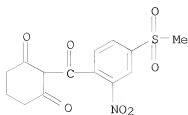
CMF C16 H13 Cl F4 N2 O5



CM 2

CRN 104206-82-8

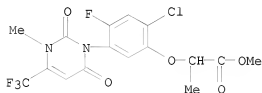
CMF C14 H13 N O7 S



RN 345667-07-4 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

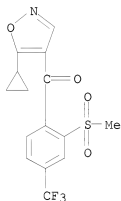
CM 1

CRN 311810-43-2  
 CMF C16 H13 Cl F4 N2 O5



CM 2

CRN 141112-29-0  
 CMF C15 H12 F3 N O4 S

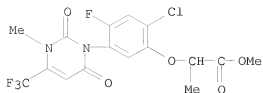


RN 345667-08-5 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl][5-cyclopropyl-4-isoxazolyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-43-2  
 CMF C16 H13 Cl F4 N2 O5

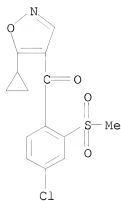




CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



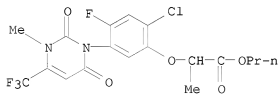
RN 345667-09-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-44-3

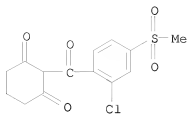
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

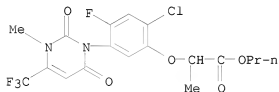


RN 345667-10-9 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-44-3

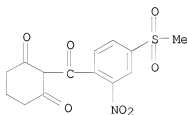
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S

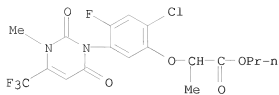


RN 345667-11-0 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-44-3

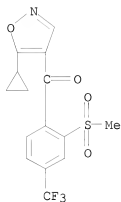
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



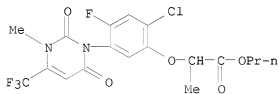
RN 345667-12-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-44-3

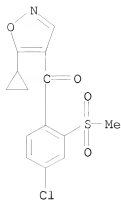
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



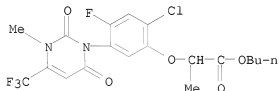
RN 345667-13-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-45-4

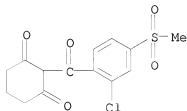
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

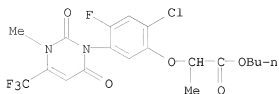


RN 345667-14-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

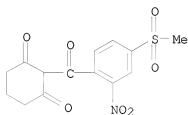
CM 1

CRN 311810-45-4  
 CMF C19 H19 Cl F4 N2 O5



CM 2

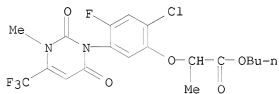
CRN 104206-82-8  
 CMF C14 H13 N O7 S



RN 345667-15-4 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

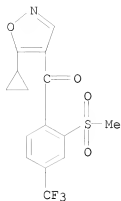
CM 1

CRN 311810-45-4  
 CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-29-0  
 CMF C15 H12 F3 N O4 S



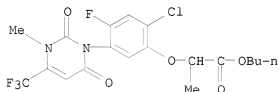
RN 345667-16-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-45-4

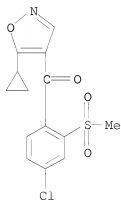
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



RN 345667-17-6 CAPLUS

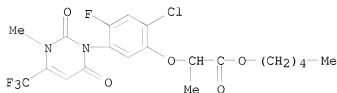
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester,  
 mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione  
 (9CI) (CA INDEX NAME)

CM 1

CRN 311810-46-5

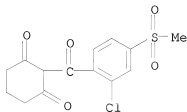
CMF C20 H21 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S



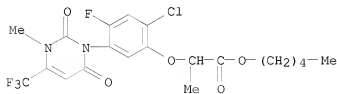
RN 345667-18-7 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester,  
 mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione  
 (9CI) (CA INDEX NAME)

CM 1

CRN 311810-46-5

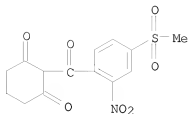
CMF C20 H21 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S



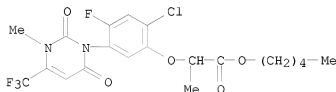
RN 345667-19-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-46-5

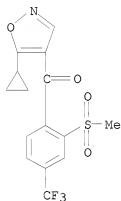
CMF C20 H21 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



RN 345667-20-1 CAPLUS

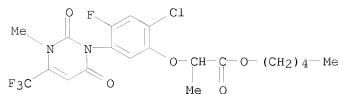
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl][5-cyclopropyl-4-isoxazolyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-46-5



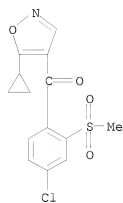
CMF C20 H21 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



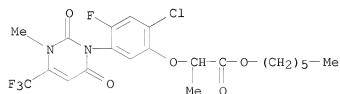
RN 345667-21-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, hexyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI)  
(CA INDEX NAME)

CM 1

CRN 311810-47-6

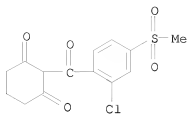
CMF C21 H23 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

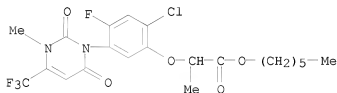


RN 345667-22-3 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, hexyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-47-6

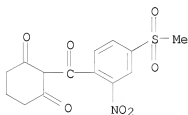
CMF C21 H23 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S

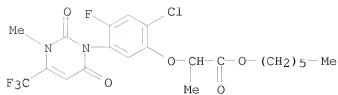


RN 345667-23-4 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, hexyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-47-6

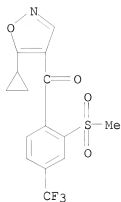
CMF C21 H23 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



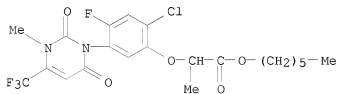
RN 345667-24-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, hexyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-47-6

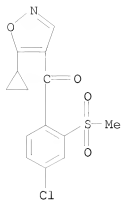
CMF C21 H23 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



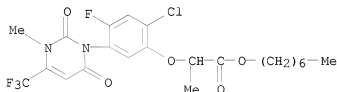
RN 345667-25-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-48-7

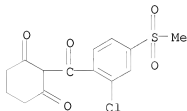
CMF C22 H25 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

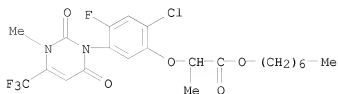


RN 345667-26-7 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

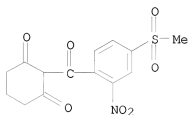
CM 1

CRN 311810-48-7  
 CMF C22 H25 Cl F4 N2 O5



CM 2

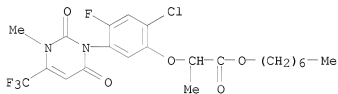
CRN 104206-82-8  
 CMF C14 H13 N O7 S



RN 345667-27-8 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

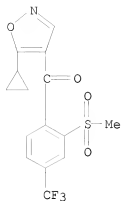
CM 1

CRN 311810-48-7  
 CMF C22 H25 Cl F4 N2 O5



CM 2

CRN 141112-29-0  
 CMF C15 H12 F3 N O4 S



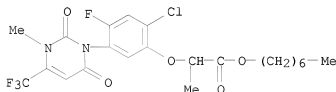
RN 345667-28-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-48-7

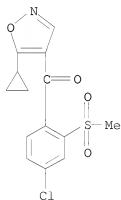
CMF C22 H25 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



RN 345667-29-0 CAPLUS

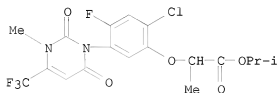
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-49-8

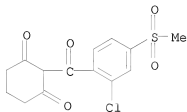
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S



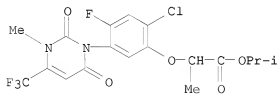
RN 345667-30-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-49-8

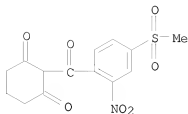
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S



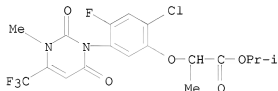
RN 345667-31-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-49-8

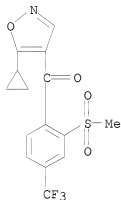
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



RN 345667-32-5 CAPLUS

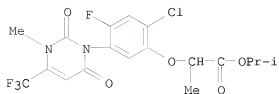
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-49-8



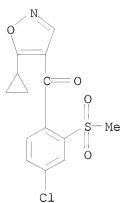
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



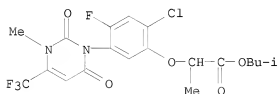
RN 345667-33-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-50-1

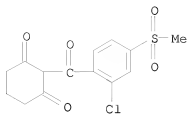
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

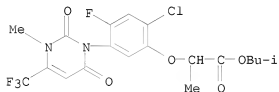


RN 345667-34-7 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-50-1

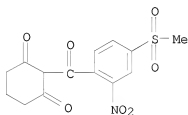
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S

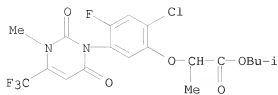


RN 345667-35-8 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-50-1

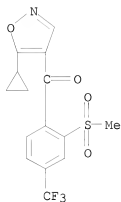
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



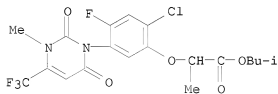
RN 345667-36-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-50-1

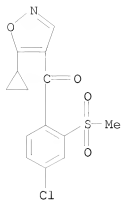
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



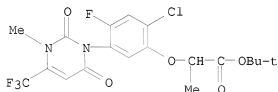
RN 345667-37-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethylethyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-51-2

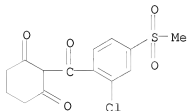
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

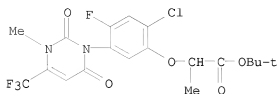


RN 345667-38-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethylethyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

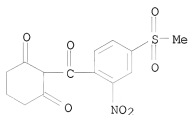
CM 1

CRN 311810-51-2  
 CMF C19 H19 Cl F4 N2 O5



CM 2

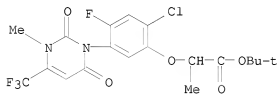
CRN 104206-82-8  
 CMF C14 H13 N O7 S



RN 345667-39-2 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethylethyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

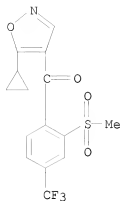
CM 1

CRN 311810-51-2  
 CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-29-0  
 CMF C15 H12 F3 N O4 S



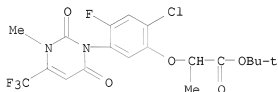
RN 345667-40-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethylethyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-51-2

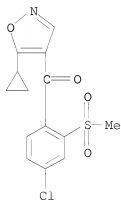
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



RN 345667-41-6 CAPLUS

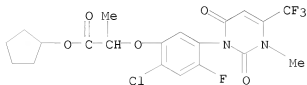
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclopentyl ester,  
 mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione  
 (9CI) (CA INDEX NAME)

CM 1

CRN 311810-52-3

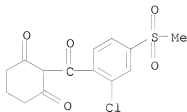
CMF C20 H19 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S



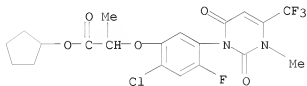
RN 345667-42-7 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclopentyl ester,  
 mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione  
 (9CI) (CA INDEX NAME)

CM 1

CRN 311810-52-3

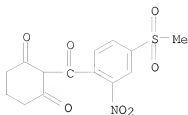
CMF C20 H19 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S



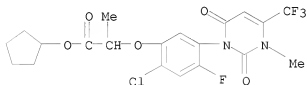
RN 345667-43-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclopentyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-52-3

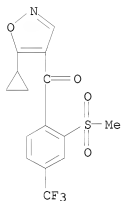
CMF C20 H19 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



RN 345667-44-9 CAPLUS

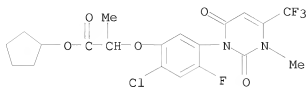
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclopentyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl][5-cyclopropyl-4-isoxazolyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-52-3



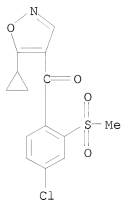
CMF C20 H19 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



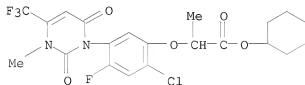
RN 345667-45-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-53-4

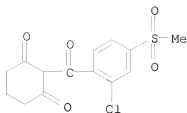
CMF C21 H21 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

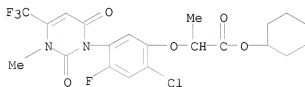


RN 345667-46-1 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-53-4

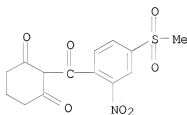
CMF C21 H21 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S

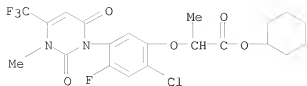


RN 345667-47-2 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-53-4

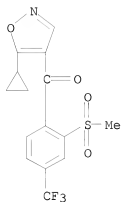
CMF C21 H21 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



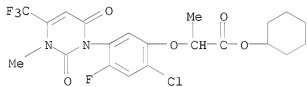
RN 345667-48-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-53-4

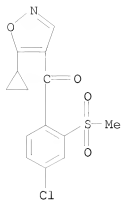
CMF C21 H21 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S

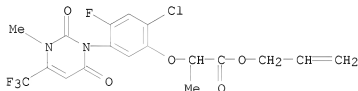


RN 345667-49-4 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 280762-87-0

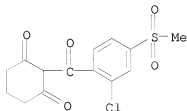
CMF C18 H15 C1 F4 N2 O5



CM 2

CRN 99105-77-8

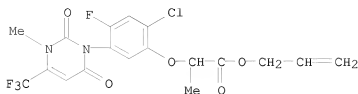
CMF C14 H13 C1 O5 S



RN 345667-50-7 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9C1) (CA INDEX NAME)

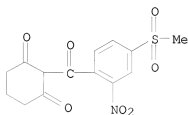
CM 1

CRN 280762-87-0  
 CMF C18 H15 Cl F4 N2 O5



CM 2

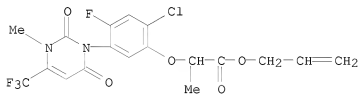
CRN 104206-82-8  
 CMF C14 H13 N O7 S



RN 345667-51-8 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-4-yl]-4-fluorophenoxy]-, 2-propenyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

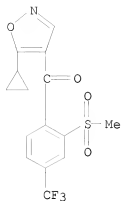
CM 1

CRN 280762-87-0  
 CMF C18 H15 Cl F4 N2 O5



CM 2

CRN 141112-29-0  
 CMF C15 H12 F3 N O4 S



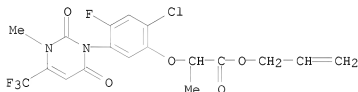
RN 345667-52-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 280762-87-0

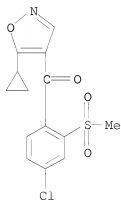
CMF C18 H15 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



RN 345667-53-0 CAPLUS

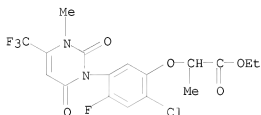
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, mixt.  
with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI)  
(CA INDEX NAME)

CM 1

CRN 114169-04-9

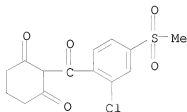
CMF C17 H15 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S



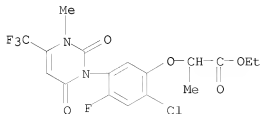
RN 345667-54-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, mixt.  
with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA  
INDEX NAME)

CM 1

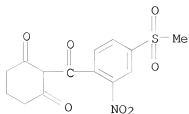
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CMF C17 H15 Cl F4 N2 O5



CM 2

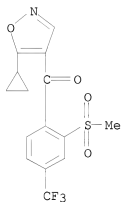
CRN 104206-82-8  
 CMF C14 H13 N O7 S



RN 345667-55-2 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

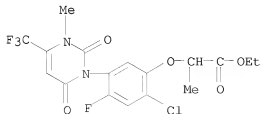
CM 1

CRN 141112-29-0  
 CMF C15 H12 F3 N O4 S



CM 2

CRN 114169-04-9  
 CMF C17 H15 Cl F4 N2 O5



RN 345667-56-3 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, mixt.

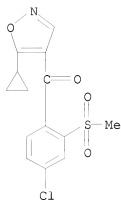


with [4-chloro-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 141112-06-3

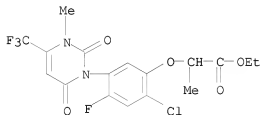
CMF C14 H12 Cl N O4 S



CM 2

CRN 114169-04-9

CMF C17 H15 Cl F4 N2 O5



L3 ANSWER 38 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2001:463171 CAPLUS  
DOCUMENT NUMBER: 135:42273  
TITLE: Herbicide in corn field  
INVENTOR(S): Mito, Nobuaki  
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|----------------|------|----------|-----------------|----------|
| JP 2001172108  | A    | 20010626 | JP 1999-357337  | 19991216 |
| BR 2000005865  | A    | 20010724 | BR 2000-5865    | 20001213 |
| MX 2000PA12381 | A    | 20020709 | MX 2000-PA12381 | 20001213 |
| FR 2802389     | A1   | 20010622 | FR 2000-16291   | 20001214 |

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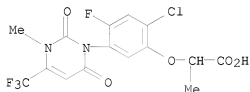
PRIORITY APPLN. INFO.: JP 1999-357337 A 19991216

AB 2-[2-Chloro-4-fluoro-5-{3-methyl-2,6--dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl}phenoxy]propionic acid ester is an effective herbicide in corn field.

IT 303030-46-8D, ester  
 RL: AGR (Agricultural use); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process); USES (Uses) (as herbicide in corn field)

RN 303030-46-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



L3 ANSWER 39 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:459883 CAPLUS

DOCUMENT NUMBER: 135:61349

TITLE: Preparation of pyrimidinylhydroxamic acids and herbicides

INVENTOR(S): Okada, Itaru; Sanemitsu, Yuzuru

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokyo Koho, 19 pp.  
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

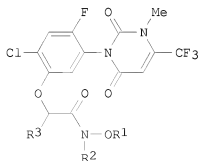
PATENT INFORMATION:

| PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------|------|----------|-----------------|----------|
| JP 2001172265 | A    | 20010626 | JP 1999-355757  | 19991215 |

PRIORITY APPLN. INFO.: JP 1999-355757 19991215

OTHER SOURCE(S): MARPAT 135:61349

GI



I

AB Title compds. I [R1 = H, (un)substituted C1-6 alkyl, C3-6 alkenyl, C3-6

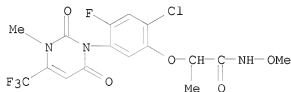
alkynyl; R2 = H, C1-6 alkyl, C3-6 alkenyl, C3-6 alkynyl; R1R2 may form C3-6 alkylene; R3 = H, Me] are prepared 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propionyl chloride (0.43 g) was reacted with O-methylhydroxylamine hydrochloride in the presence of Et3N in DMF-EtOAc for 30 min to give 0.36 g I (R1 = R3 = Me, R2 = H) showing good inhibitory activity against the growth of *Echinochloa crus galli*, etc.

IT 345913-81-7P 345913-83-9P 345913-84-0P  
345913-85-1P 345913-86-2P 345913-87-3P  
345913-88-4P 345913-89-5P 345913-90-8P  
345913-91-9P 345913-92-0P 345913-93-1P  
345913-94-2P 345913-95-3P 345913-96-4P  
345913-97-5P 345913-98-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of hydroxamic acids for herbicides)

RN 345913-81-7 CAPLUS

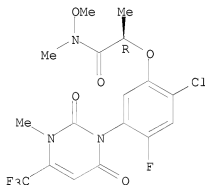
CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methoxy- (CA INDEX NAME)



RN 345913-83-9 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methoxy-N-methyl-, (2R)- (CA INDEX NAME)

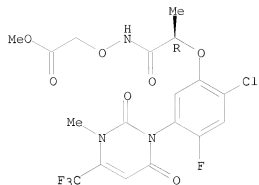
Absolute stereochemistry.



RN 345913-84-0 CAPLUS

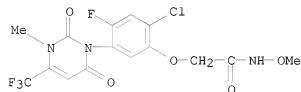
CN Acetic acid, [1[(2R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]amino]oxy]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 345913-85-1 CAPLUS

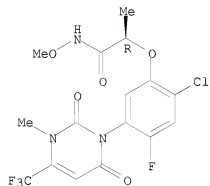
CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methoxy- (CA INDEX NAME)



RN 345913-86-2 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methoxy-, (2R)- (CA INDEX NAME)

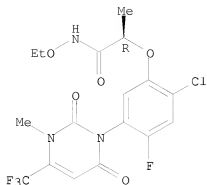
Absolute stereochemistry.



RN 345913-87-3 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methoxy-, (2R)- (CA INDEX NAME)

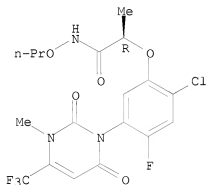
Absolute stereochemistry.



RN 345913-88-4 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-propoxy-, (2R)- (CA INDEX NAME)

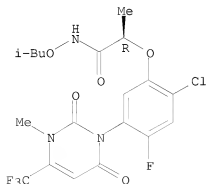
Absolute stereochemistry.



RN 345913-89-5 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-(2-methylpropoxy)-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

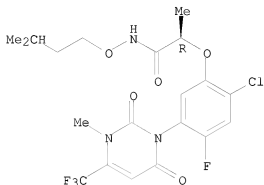


RN 345913-90-8 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-(3-methylbutoxy)-,  
(2R)- (CA INDEX NAME)

Absolute stereochemistry.

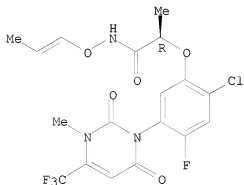


RN 345913-91-9 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-(1-propenyloxy)-,  
(2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

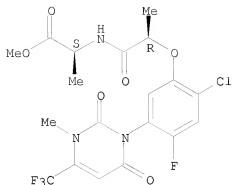
Double bond geometry unknown.



RN 345913-92-0 CAPLUS

CN L-Alanine, N-[ (2R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-,  
methyl ester (CA INDEX NAME)

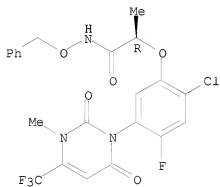
Absolute stereochemistry.



RN 345913-93-1 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-(phenylmethoxy)-, (2R)- (CA INDEX NAME)

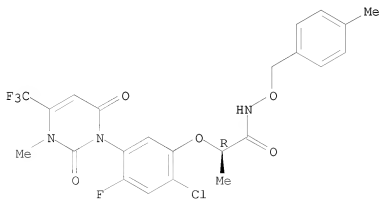
Absolute stereochemistry.



RN 345913-94-2 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(4-methylphenyl)methoxy]-, (2R)- (CA INDEX NAME)

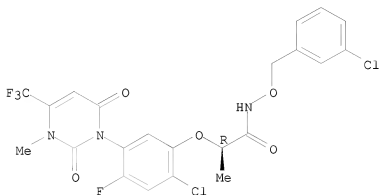
Absolute stereochemistry.



RN 345913-95-3 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(3-chlorophenyl)methoxy]-, (2R)- (CA INDEX NAME)

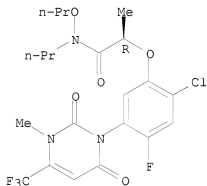
Absolute stereochemistry.



RN 345913-96-4 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-propoxy-N-propyl-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

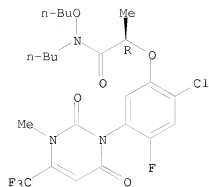


RN 345913-97-5 CAPLUS

CN Propanamide, N-butoxy-N-butyl-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

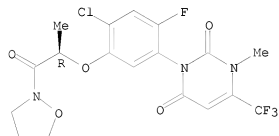




RN 345913-98-6 CAPLUS

CN Isoxazolidine, 2-[ (2R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]- (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.

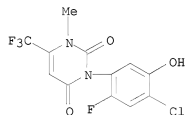


IT 114136-60-6 303030-46-8

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of hydroxamic acids for herbicides)

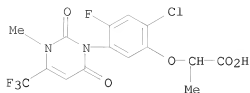
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



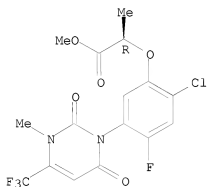
RN 303030-46-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



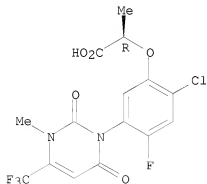
IT 280762-82-5P 280762-88-1P 326851-98-3P  
 345913-80-6P 345913-82-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of hydroxamic acids for herbicides)  
 RN 280762-82-5 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester,  
 (2R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



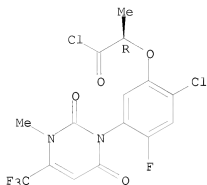
RN 280762-88-1 CAPLUS  
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX  
 NAME)

Absolute stereochemistry.



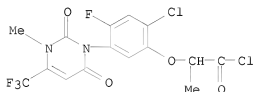
RN 326851-98-3 CAPLUS  
 CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX  
 NAME)

Absolute stereochemistry.



RN 345913-80-6 CAPLUS

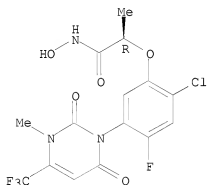
CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 345913-82-8 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-hydroxy-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 40 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:453032 CAPLUS

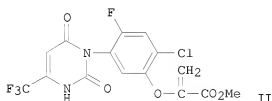
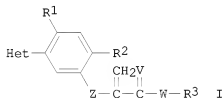
DOCUMENT NUMBER: 135:46197

TITLE: Phenoxy- and thiophenoxyacrylic acid compounds as herbicides

INVENTOR(S): Hamprecht, Gerhard; Puhl, Michael; Reinhard, Robert; Sagasser, Ingo; Zagar, Cyrill; Westphalen, Karl-Otto; Witschel, Matthias; Walter, Helmut

PATENT ASSIGNEE(S): Basf A.-G., Germany  
 SOURCE: PCT Int. Appl., 84 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE             | APPLICATION NO.  | DATE       |
|---|------|------------------|------------------|------------|
| WO 2001044204   | A1   | 20010621         | WO 2000-EP12799  | 20001215   |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |                  |                  |            |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |                  |                  |            |
| CA 2394422  | A1   | 20010621         | CA 2000-2394422  | 20001215   |
| EP 1237879  | A1   | 20020911         | EP 2000-989984   | 20001215   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |      |                  |                  |            |
| JP 2003516973   | T    | 20030520         | JP 2001-544694   | 20001215   |
| US 6528455  | B1   | 20030304         | US 2002-148909   | 20020605   |
| PRIORITY APPLN. INFO.:  |      |                  | DE 1999-19960811 | A 19991216 |
|   |      |                  | WO 2000-EP12799  | W 20001215 |
| OTHER SOURCE(S):  |      | MARPAT 135:46197 |                  |            |
| GI  |      |                  |                  |            |



AB Title compds. I [Z, V, W = O, S; Het = unsatd., five- or six-membered heterocycle linked to the benzene ring via N; R<sup>1</sup> = H, halogen; R<sup>2</sup> = halogen, CN, alkyl, haloalkyl, alkoxy, haloalkoxy; R<sup>3</sup> = H, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, 2,3-dihydrofuryl, 2,5-dihydrofuryl, tetrahydrofuryl] were prepared for use as herbicides. Thus, 2-chloro-4-fluoro-5-nitrophenol was treated with ClCHMeCO<sub>2</sub>Me and the resulting phenoxypionate was treated with Fe-AcOH to give 2-(5-amino-2-chloro-4-fluorophenoxy)acrylate. This compound was treated with diphosgene to give the isocyanate which was cyclized with

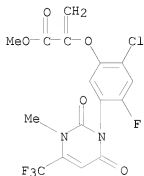
F3CC(NH2):CHCO2Me and methylated to give the pyrimidinedione derivative II. II had good herbicidal activity at 3.9 and 1.95 g/ha and was well tolerated by wheat.

IT 344612-61-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenoxy- and thiophenoxyacrylic acids as herbicides)

RN 344612-61-9 CAPLUS

CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)

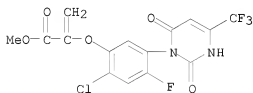


IT 344612-60-8P

RL: AGR (Agricultural use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of phenoxy- and thiophenoxyacrylic acids as herbicides)

RN 344612-60-8 CAPLUS

CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



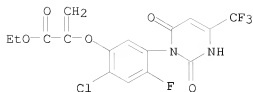
IT 344612-66-4P 344612-67-5P 344612-69-7P

344612-70-0P 344612-71-1P 344612-72-2P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenoxy- and thiophenoxyacrylic acids as herbicides)

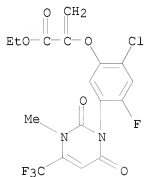
RN 344612-66-4 CAPLUS

CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



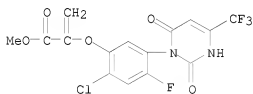
RN 344612-67-5 CAPLUS

CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



RN 344612-69-7 CAPLUS

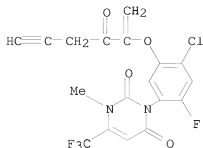
CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, sodium salt (9CI) (CA INDEX NAME)



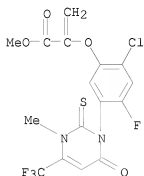
● Na

RN 344612-70-0 CAPLUS

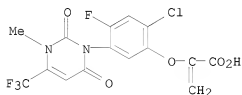
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methylene-2-oxo-4-pentynyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 344612-71-1 CAPLUS  
 CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-6-oxo-2-thioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



RN 344612-72-2 CAPLUS  
 CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

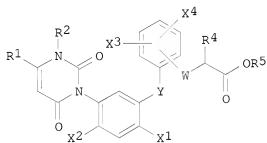
L3 ANSWER 41 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:432884 CAPLUS  
 DOCUMENT NUMBER: 135:46191  
 TITLE: Preparation of uracil derivatives as herbicides  
 INVENTOR(S): Tohyama, Yoshitomo; Senemitsu, Yuzuru; Gotou, Tomohiko  
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan  
 SOURCE: Eur. Pat. Appl., 108 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE     |
|---|------|----------|------------------|----------|
| EP 1106607  | A2   | 20010613 | EP 2000-126429   | 20001205 |
| EP 1106607  | A3   | 20010718 |                  |          |
| EP 1106607  | B1   | 20050727 |                  |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO |      |          |                  |          |
| IL 139899   | A    | 20050619 | IL 2000-139899   | 20001124 |
| IL 166937   | A    | 20050925 | IL 2000-166937   | 20001124 |
| IL 166938   | A    | 20051120 | IL 2000-166938   | 20001124 |
| IL 166939   | A    | 20051120 | IL 2000-166939   | 20001124 |
| JP 2002053560   | A    | 20020219 | JP 2000-366722   | 20001201 |
| ZA 2000007155   | A    | 20010606 | ZA 2000-7155     | 20001204 |
| CA 2327635  | A1   | 20010607 | CA 2000-2327635  | 20001204 |
| RU 2259359  | C2   | 20050827 | RU 2000-130556   | 20001204 |
| US 2002013466   | A1   | 20020131 | US 2000-729312   | 20001205 |
| US 6451740  | B2   | 20020917 |                  |          |
| BR 2000007890   | A    | 20020226 | BR 2000-7890     | 20001205 |
| MX 2000PA12042  | A    | 20030312 | MX 2000-PA12042  | 20001205 |
| AT 300525   | T    | 20050815 | AT 2000-126429   | 20001205 |
| ES 2244387  | T3   | 20051216 | ES 2000-126429   | 20001205 |
| CN 1303852  | A    | 20010718 | CN 2000-137297   | 20001207 |
| AU 772956   | B2   | 20040513 | AU 2000-72072    | 20001207 |
| CN 1572786  | A    | 20050202 | CN 2004-10061845 | 20001207 |
| US 2003130124   | A1   | 20030710 | US 2002-193287   | 20020712 |
| US 6667413  | B2   | 20031223 |                  |          |

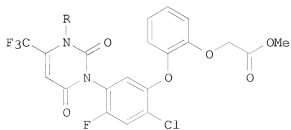
PRIORITY APPLN. INFO.:

JP 1999-348025 A 19991207  
 JP 2000-165751 A 20000602  
 IL 2000-139899 A3 20001124  
 US 2000-729312 A3 20001205

OTHER SOURCE(S): MARPAT 135:46191  
 GI



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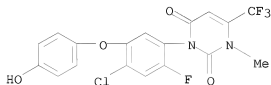
II

AB Title compds. (I) [wherein W and Y = independently O, S, NH, or

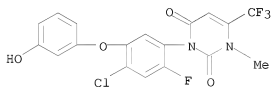


alkylimino; R1 = (halo)alkyl; R2 = alkyl; R4 = H or Me; R5 = (halo)alkyl, (halo)alkenyl, or (halo)alkynyl; X1 = H, CN, or NO2; X2 = H or halo; X3 and X4 = independently H, halo, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, alkoxyalkyl, (halo)alkoxy, alkoxycarbonyl, or CN] where prepared as herbicides. For example, methylation of II (R = H) using MeI in the presence of K2CO3 in DMF afforded II (R = Me), which showed complete control over Johnson grass, barnyard grass, large crabgrass, broadleaf signalgrass, and wild oat at 3.3 g/ha.

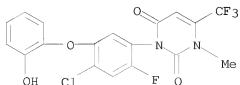
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 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenol 344420-00-4P,  
 2-[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionic acid  
 344420-02-6P, [2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid 344420-09-3P 344420-34-4P 344420-38-8P  
 344420-46-8P 344420-73-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate; preparation of uracil derivs. as herbicides)  
 RN 344419-85-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



- RN 344419-88-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(3-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

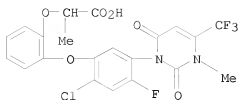


- RN 344419-93-8 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



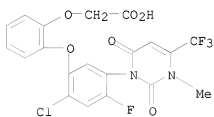
- RN 344420-00-4 CAPLUS  
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)

NAME)



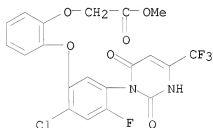
RN 344420-02-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



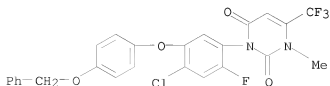
RN 344420-09-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 344420-34-4 CAPLUS

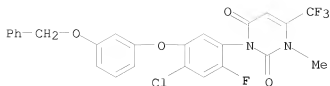
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[4-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 344420-38-8 CAPLUS

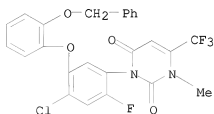
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

NAME)



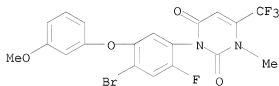
RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 344420-73-1 CAPLUS

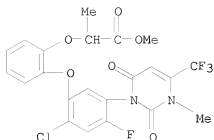
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(3-methoxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



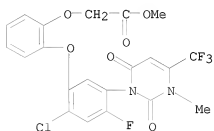
IT 344419-95-0P, Methyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionate 344419-98-3P, Methyl 2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344420-11-7P 344420-28-6P  
RL: AGR (Agricultural use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of uracil derivs. as herbicides)

RN 344419-95-0 CAPLUS

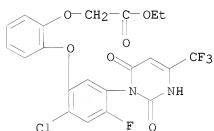
CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



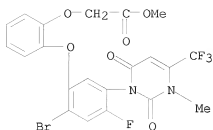
RN 344419-98-3 CAPLUS  
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



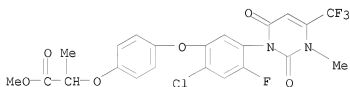
RN 344420-11-7 CAPLUS  
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



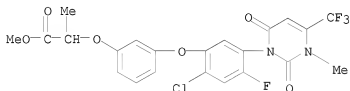
RN 344420-28-6 CAPLUS  
 CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



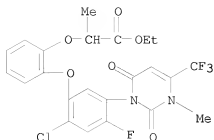
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 344419-99-4P 344420-01-5P 344420-04-8P  
 344420-05-9P 344420-07-1P 344420-12-8P  
 344420-13-9P 344420-16-2P 344420-27-5P  
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of uracil derivs. as herbicides)  
 RN 344419-86-9 CAPLUS  
 CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



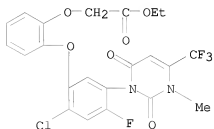
RN 344419-90-5 CAPLUS  
 CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



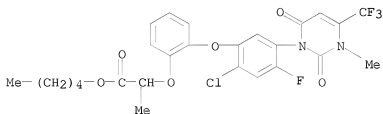
RN 344419-97-2 CAPLUS  
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



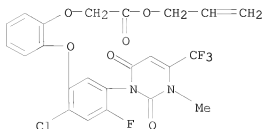
RN 344419-99-4 CAPLUS  
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 344420-01-5 CAPLUS  
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)

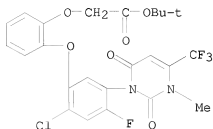


RN 344420-04-8 CAPLUS  
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



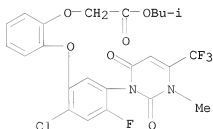
RN 344420-05-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



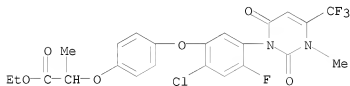
RN 344420-07-1 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



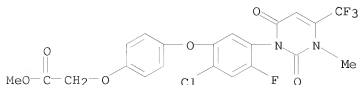
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CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)

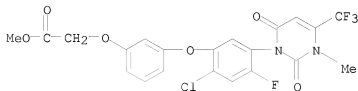


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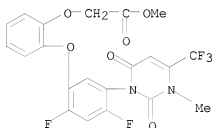
CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 344420-16-2 CAPLUS  
 CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 344420-27-5 CAPLUS  
 CN Acetic acid, [2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 11:24:55 ON 23 JAN 2008)

FILE 'CAPLUS' ENTERED AT 11:25:05 ON 23 JAN 2008

L1 STRUCTURE UPLOADED  
 S L1

FILE 'REGISTRY' ENTERED AT 11:25:58 ON 23 JAN 2008

L2 1391 S L1 FULL

FILE 'CAPLUS' ENTERED AT 11:26:04 ON 23 JAN 2008

L3 91 S L2 FULL

=> log hold

|  |                  |               |
|--|------------------|---------------|
| COST IN U.S. DOLLARS                       | SINCE FILE ENTRY | TOTAL SESSION |
| FULL ESTIMATED COST                        | 456.33           | 635.38        |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE                        | -64.80           | -64.80        |

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 11:44:43 ON 23 JAN 2008